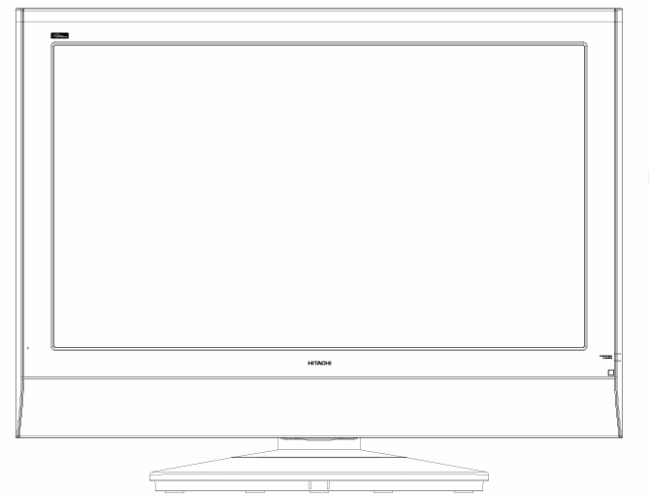
HITACHI

YK | No.019E

26LD8000TA

SERVICE MANUAL



Caution

Be sure to read this manual before servicing. To ensure safety from fire, electric shock, injury, harmful radiation and materials, various measures are provided in this LCD TV. Be sure to read cautionary items described in the manual before servicing. These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that described in the operating instructions unless you are qualified to do so.

Service Warning

1. Replacement work should be started after the Panel Module and the AC/DC Power supply have become sufficiently cool.
2. Special care should be taken when working near the display area in order not to damage its surface.
3. The Panel Module should not be touched with bare hands in order to protect its surface from blemishes and damage.
4. It is recommended that you use clean soft gloves during the replacement work in order to protect not only the display area of the Panel Module but also yourself.

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SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

LCD Television

July 2005 Digital Media Division

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CAUTION FOR SAFETY

Please read this page before repair the TV.
The following safety precautions are designed to help you stay safe and prevent accidents during the repair work.

- **Please take note of these cautionary flags.**

	Warning	This means **"Potential to sustain injury or even death."**
	Caution	This means **"Potential to sustain breakage or irreparable damage."**

- **Also note these cautionary icons**

	This means **"CAUTION"**
	This means **"POTENTIAL ELECTRIC SHOCK"**

	This means **"MUST"**
	This means **"DO NOT"**

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⚠ WARNING

■ **Follow instructions.**

The cabinet, chassis, and labels are parts that require attention. You must follow the caution notes and safety instructions presented throughout this User Manual to prevent damage to them or injury to yourself.

■ **Prevent electric shock.**

Exercise caution while working on the device as the TV contains high voltage parts and

supply.It is possible to sustain severe injury or death if you accidentally touch the wrong parts.You must disconnect the power supply while servicing, reassembling, or change parts. If you touch a live connection it is possible to sustain severe injury or death.

■ **Use recommended components.**

Use only the recommended components or componentst that structurally identical to the originals. This is to ensure safety and reliability. Pay special attention to parts in the parts list and circuit diagrams marked with ⚠ . If you use non-recommended components, then electric shock or fire may result.

■ **Must use same types of wires and components.**

The TV uses special tubes and tapes made from insulated materials. Moreover, some materials are kept from making contact with the PWB for the sake of safety.Internal leads are kept from hot parts or high voltage parts by means of clamps or other measures. As such, you must restored these parts to their original conditions in order to prevent electric shock or fire.

■ **Perform safety check when done.**

Every part (such as removed screws, components, and wiring) must be restored to their prior conditions after servicing.Be sure to check everything that was repaired for damage or mistakes. Also measure the insulated impedance with a meg-ohm meter to confirm that the impedance value is more than 4M ohm.If the impedance value is less than 4M ohm, then electric shock or fire may result.

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PRECAUTIONS

- **Cleaning the TV's LCD screen panel**

Before cleaning the TV, turn it off and disconnect the power plug from the power outlet. To prevent scratching or damaging of the LCD screen face, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a second soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

- **Cleaning the TV's cabinet**

Use a soft cloth to clean the TV's cabinet and control panel. When excessively soiled, dilute a neutral detergent in water, wet and wring out the soft cloth in it, gently clean the cabinet, and then wipe it down with a dry soft cloth.
Never use acid/alkaline detergents, alcoholic detergents, abrasive cleaners, powder soaps, OA cleaners, car wax, glass cleaners, and so on. They will cause discoloration, scratches or cracks.

1. Features

- **Enhanced definition LCD display panel**

The 26-inch color LCD display panel, with a resolution of 1366 (H) x 768(V) pixels, creates a widescreen picture. This panel features a thin form factor and can be hung on a wall with an optional wall mounting kit.

- **High Performance Digital Processor**

This panel displays a wide range of personal computer signals from 640 x 480, 800 x 600 SVGA to 1280 x 768 WXGA.(RGB Analog input).

- **Easy-to-use remote control and on-screen display system**

The included remote control operates all TV functions. Futhermore, the on-screen display system shows the status of the control settings in an easy-to-view fashion.

- **Power saving system**

When connected to a VESA DPMS-compliant PC, the TV cuts its power consumption while idle.

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2. Specifications

Panel	Display dimensions	Approx. 26.005nches (604 (H) x 323 (V) mm, diagonal 600.53mm)
	Resolution	1366 (H) x 768 (V) pixels
Net dimensions		661.9 (W) x 522.5 (H) x 266.9(D) mm (With Base)
Net weight		18 kg (With Base)
Ambient conditions	Temperatur	Operating: 0°C to 40°C, Storage: -15°C to 50°C
	Relative umidity	Operating: 20% to 80%, Storage: 20% to 90% (non-condensing)
Power supply		AC100 - 240V, 50/60Hz
Power consumption/at standby		<120W / <1W
Audio output		Build in 10W + 10W (4 Ω)
(RGB input)		
Input signals	Input terminals	RGB1-VGA audio input terminal (3.5mm Stereo Mini Jack) RGB1-VGA analog RGB input terminal (D-sub 15-pin)
	Video signals	0.7 V
	Sync signals	H/V separate, TTL level [2kΩ] H/V composite, TTL level [2kΩ] Sync on green, 0.3 Vp-p [75Ω]
Recommended signal		5 modes
(Video input)		
Input signals	Input terminals	AV1 : Component input (Y-PbPr/Y-CbCr) (RCA) AV1 : L/R audio input terminal(RCA)AV1 : L/R audio input terminal(RCA) AV2 : Component input (Y-PbPr/Y-CbCr) (RCA) AV2 : L/R audio input terminal(RCA)AV1 : L/R audio input terminal(RCA) AV3 : Composite video input terminal(RCA) AV3 : S video input teminal AV3 : L/R audio input terminal(RCA) AV4 : Composite video input terminal(RCA) AV4 : S video input teminal AV4 : L/R audio input terminal(RCA)
	Video signals	AV1 : NTSC-M / PAL AV2 : NTSC-M / PAL AV3 : NTSC-M / PAL / SECAM AV4 : NTSC-M / PAL / SECAM
Video output Signal		OUTPUT(TV): composite video TV-output terminal (RCA) OUTPUT(TV): L/R audio TV- output terminal (RCA)
Recommended signal		5 modes
(TV RF input)		
Input signals	Input terminals	Analog RF input terminal (NTSC/PAL/SECAM)

- It takes at least 30 minutes to attain the maximum picture quality.

Applicable video signals for each input terminal

Signal Type / Terminal	RCA			D-sub	Remarks
	Composite	S-video	component	RGB	
AV1			○		480i/480p/1080i/720p inputs (PAL).
AV2			○		480i/480p/1080i/720p inputs (PAL).
AV3	○	○			
AV4	○	○			
RGB				○	

(○: Avaliable)

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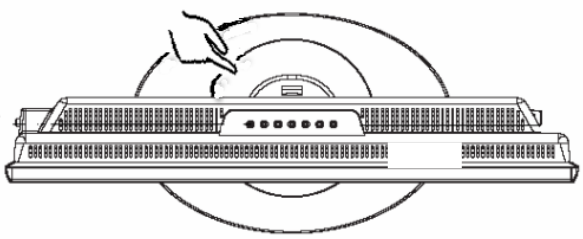
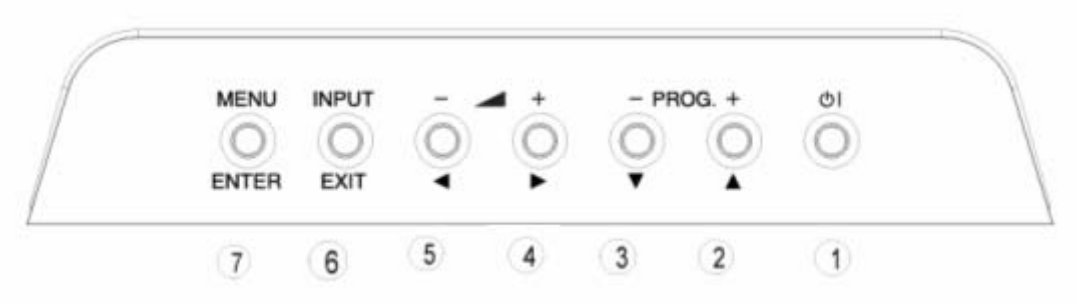
3..Component names

➢ [Main unit]

Control panel

- An Adjustment buttons are located on the top of the control panel
- Indications for each button's function can be found on the inside of the control panel cover.

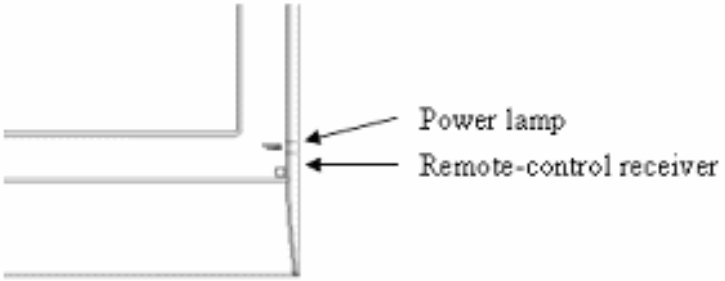


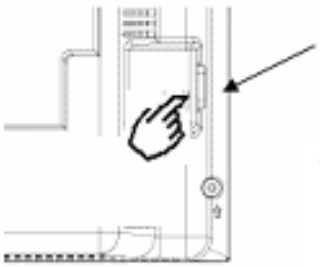


1. SUB-POWER
2. PROGRAM ▲
2. UP ▲
3. PROGRAM ▼
3. DOWN ▼
4. VOL ▶
4. RIGHT▶
5. VOL ◀
5. LEFT ◀
6. INPUT
6.EXIT
7.MENU
7.ENTER

Normal Button Action

Button Action when MENU engaged





The main power switch is located at the right side of the back.

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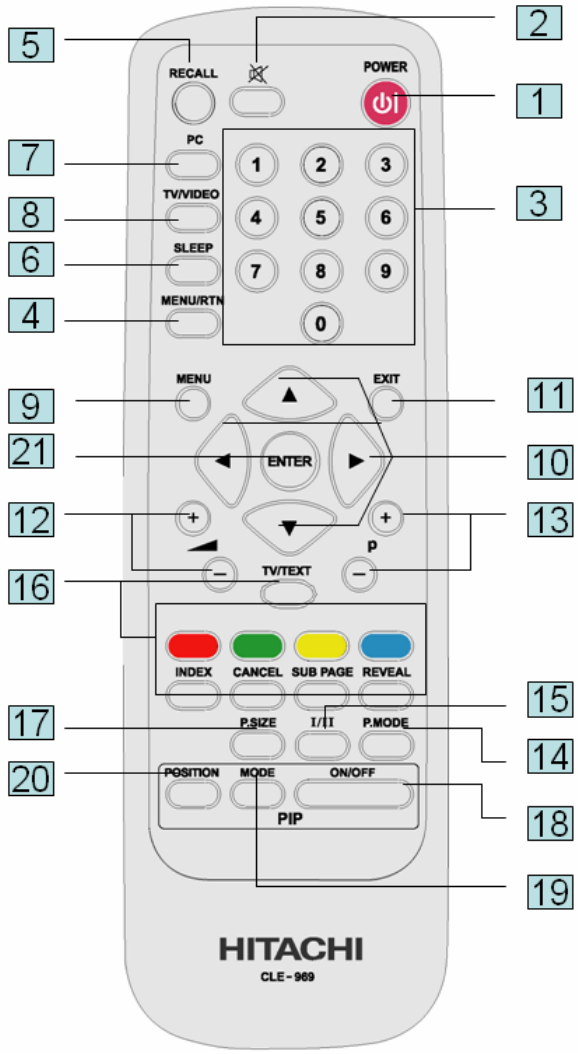
➢ [Remote Control]



1. Power Button
2. Mute Button
3. Number Buttons
4. Return Button
5. Recall Button
6. Sleep Time Button
7. PC Source Button
8. TV/VIDEO Source Button
9. Menu Button
10. Up/Down/Left/Right Button
11. Exit Button
12. Volume (+/-) Button
13. Channel (+/-) Button
14. P. Mode Button
15. I/II Button
16. Tele Text Buttons
17. P.Size Button
18. Multi Picture ON/OFF Button
19. Multi Picture Mode change Button
20. PIP Position Button
21. ENTER Button

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4.Service points

- **Lead-free solder**

This product uses lead-free solder (unleaded) to help protect the environment. Please read these instructions before attempting any soldering work.

Caution: Always wear safety glasses to prevent fumes or molten solder from getting into the eyes. Lead-free solder can splatter at high temperatures (600℃).

■ **Lead-free solder indicator**

Printed circuit boards using lead-free solder are engraved with an label.

■ **Properties of lead-free solder**

The melting point of lead-free solder is 40-50℃ higher than leaded solder.

■ **Servicing solder**

Solder with an alloy composition of Sn-3.0Ag-0.5Cu or Sn-0.7Cu is recommended. Although servicing with leaded solder is possible, there are a few precautions that have to be taken. (Not taking these precautions may cause the solder to not harden properly, and lead to consequent malfunctions.)

Precautions when using leaded solder

- Remove all lead-free solder from soldered joints when replacing components.
- If leaded solder should be added to existing lead free joints, mix in the leaded solder thoroughly after the lead-free solder has been completely melted (do not apply the soldering iron without solder).

■ **Servicing soldering iron**

A soldering iron with a temperature setting capability (temperature control function) is recommended.
The melting point of lead-free solder is higher than leaded solder. Use a soldering iron that maintains a high stable temperature (large heat capacity), and that allows temperature adjustment according to the part being serviced, to avoid poor servicing performance.

Recommended soldering iron:

- Soldering iron with temperature control function (temperature range: 320-450℃)

Recommended temperature range per part:

Part	Soldering iron temperature
Mounting (chips) on mounted PCB	320℃±30℃
Mounting (chips) on empty PCB	380℃±30℃
Chassis, metallic shield, etc.	420℃±30℃

(1) IR PWB, KEY PWB, S **The PWB assembly which has used lead free solder**
(2) MAIN PWB
(3) POWER BOARD

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5.Adjustment

5.1 SERVICE (FACTORY) MODE ACCESS

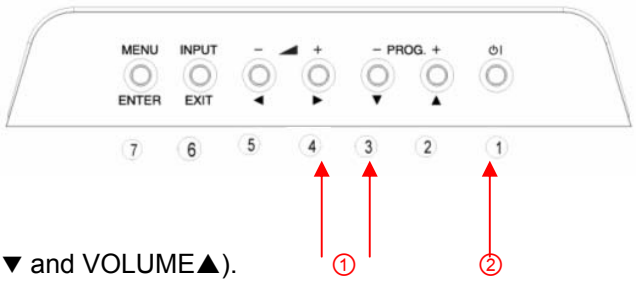
This model has a Factory Mode, where the technician can access and adjust some of the color temperature settings. The Factory Mode has several different appearances, depending on the input signal.

Picture Setting for Factory Model	NTSC
Table1	TV
Table2	AV (composite)/SV(S-Video)
Table3	SV(S-video)
Table4	480i(component)
Table5	480p(component)
Table6	1080i/60(component)
Table7	720P/60(component)

Picture Setting for Factory Model	PAL
Table1	TV
Table2	AV (composite)/SV(S-Video)
Table3	SV(S-video)
Table4	576i(component)
Table5	576p(component)
Table6	1080i/50(component)
Table7	720P/50(component)

Preliminary

1. To access the Factory Mode, the TV must be running.



Procedure

2. Press and hold the #3 and #4 button (PROGRAM ▼ and VOLUME▲).
3. While continuing to hold the #3 and #4 button, press and hold the #1 button (SUB-POWER).
4. After both buttons have been held down for five (5) seconds, first release the #1 button, then release the #3 and #4 button.
5. As stated previously, the input that the TV had selected at the time will determine which actual FACTORY MODE display will show up. (See next page)

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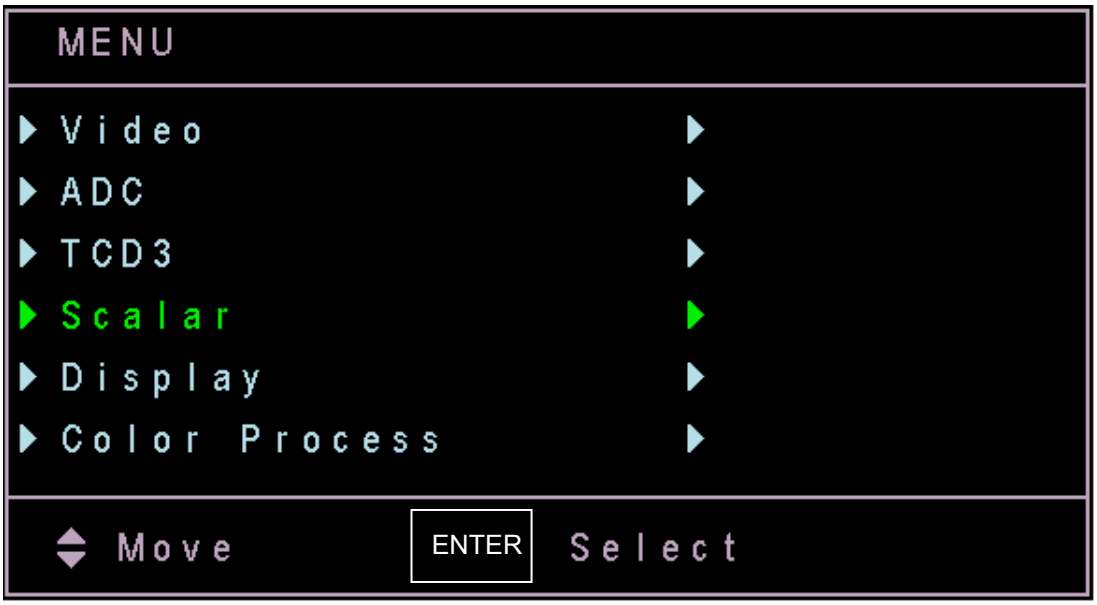
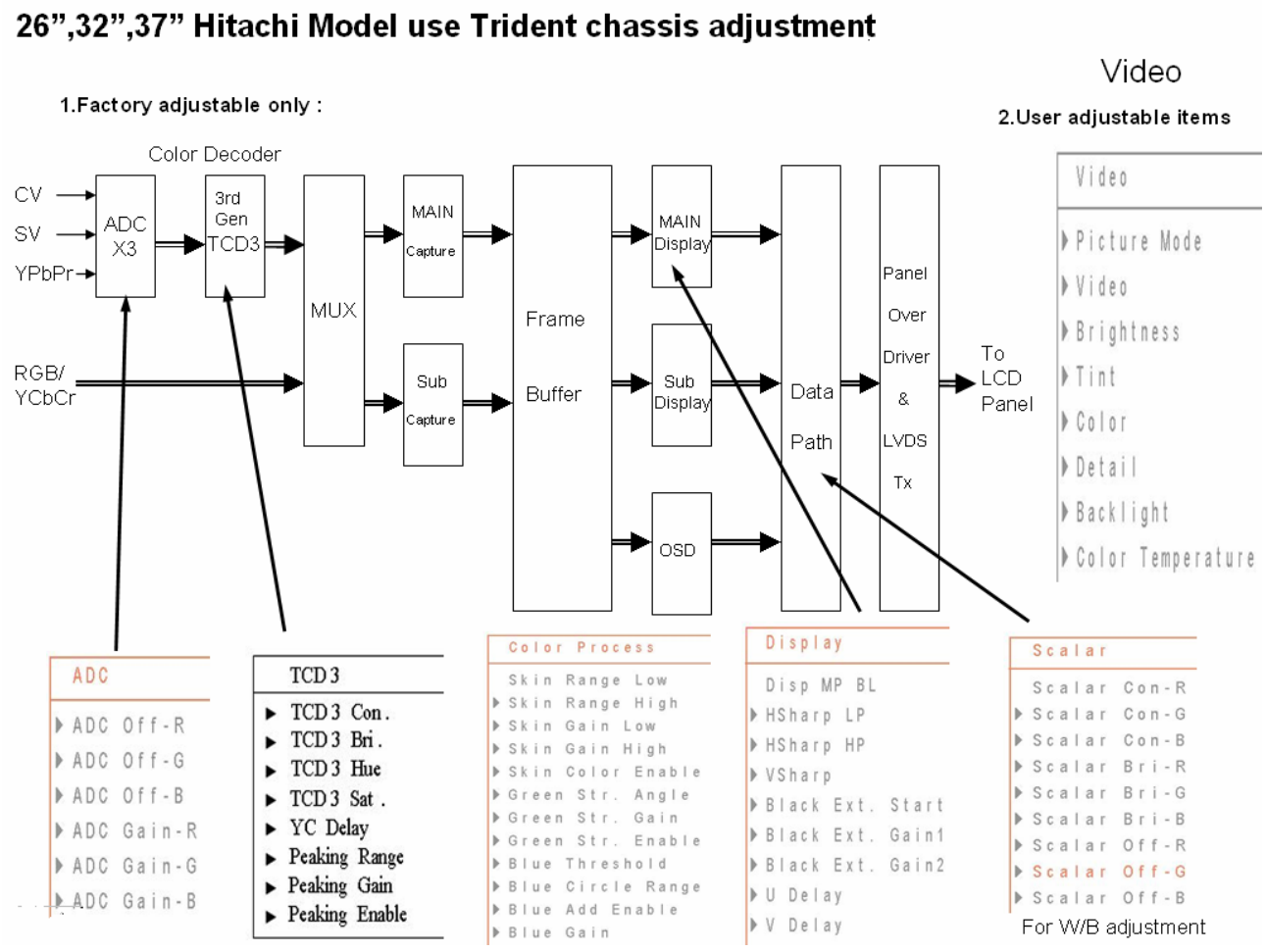


- **FACTORY MODE NAVIGATION**

To navigate through the different menu items, use the ▲ or ▼ button on the remote control. The menu items will be high-lighted green as navigation occurs. To access a particular adjustment parameter, use the "ENTER" button on the remote control, which will cause a new menu to appear. To back up from the FACTORY MODE, use the RETURN or EXIT button on the remote control. To leave the FACTORY MODE, press POWER button on the remote control.

26",32",37" Hitachi Model use Trident chassis adjustment



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Menu	Function	Description
Video		
__	Picture Mode	OSD menu video mode default setting
__	Picture	Display Contrast adjustment (Back- end)
__	Brightness	Display Brightness adjustment (Back- end)
__	Tint	Display Hue adjustment (Back- end)
__	Color	Display Saturation adjustment (Back- end)
__	Detail	Display Sharpness adjustment (Back- end)
__	Backlight	LCD backlight control (Back- end)
__	Color Temperature	Color temperature default setting (High or Low)
ADC		
__	ADC Gain - R	ADC input signal gain adjustment (R/Pr) , For D1 ~ D4 and PC only
__	ADC Gain - G	ADC input signal gain adjustment (G/Y) , For D1 ~ D4 and PC only
__	ADC Gain - B	ADC input signal gain adjustment (B/Pb) , For D1 ~ D4 and PC only
TCD3		
__	TCD3 Con.	Video decoder contrast adjustment (Front- end)
__	TCD3 Bri.	Video decoder brightness adjustment (Front- end)
__	TCD3 Hue	Video decoder Hue adjustment (Front- end)
__	TCD3 Sat.	Video decoder Cr Saturation adjustment (Front- end)
__	TCD3 Sat.	Video decoder Cb Saturation adjustment (Front- end)
__	YC Delay	Video decoder YC delay adjustment (Front- end)
__	Peaking Range	Video decoder sharpness peaking range (Front- end) Ypeak = Y + YH * (peak_gain/peak_range) where Y is the luma and YH is the high frequency luma only
__	Peaking Gain	Video decoder sharpness peaking gain (Front- end)
__	Peaking Enable	Video decoder sharpness peaking function enable (Front- end)
Scalar		
__	Scalar Con - R	Output R contrast factor adustment (color temperature function) Output R = (('Output R + (Scalar Off-R)) * (Scalar Con-R) + (Scalar Bri-R)
__	Scalar Con - G	Output G contrast factor adustment (color temperature function) Output G = (('Output G + (Scalar Off-G)) * (Scalar Con-G) + (Scalar Bri-G)
__	Scalar Con - B	Output B contrast factor adjustment (color temperature function) Output B = (('Output B + (Scalar Off-B)) * (Scalar Con-B) + (Scalar Bri-B)
__	Scalar Bri - R	Output R brightness factor adustment (color temperature function)
__	Scalar Bri - G	Output G brightness factor adustment (color temperature function)

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__	Scalar Bri - B	Output B brightness factor adustment (color temperature function)
__	Scalar Off - R	Output R offset factor adustment (color temperature function)
__	Scalar Off - G	Output G offset factor adustment (color temperature function)
__	Scalar Off - B	Output B offset factor adustment (color temperature function)
Display		
__	Disp MP BL	Display sharpness band pass gain of peaking adjustment (Back- end) , OSD sharpness adjustment item
__	HSharp LP	Display sharpness low pass gain of peaking adjustment (Back- end)
__	Hsharp HP	Display sharpness high pass gain of peaking adjustment (Back- end) , OSD sharpness adjustment item
__	Vsharp	Display Vertical sharpness adjustment (Back- end)
__	Black Ext. Start	Black stretch start-point control factor. Higher value means more black stretch (Back- end)
__	Black Ext. Gain1	Black stretch gain1
__	Black Ext. Gain2	Black stretch gain2
__	U Delay	Display U delay (comparing with Y)
__	V Delay	Display Y delay (comparing with V)
Color Process		
__	Skin Range Low	Skin color adjustment active range low
__	Skin Range High	Skin color adjustment active range high
__	Skin Gain Low	Skin color adjustment gain of range low
__	Skin Gain High	Skin color adjustment gain of range high
__	Skin Color Enable	Skin color adjustment function enable
__	Green Str. Angle	Green stretch active range (UV domain green color active angle)
__	Green Str. Gain	Green stretch gain
__	Green Str. Enable	Green stretch function enable
__	Blue Threshold	Blue add function active threshold
__	Blue Circle Range	Blue add function active range
__	Blue Add	Blue add function enable

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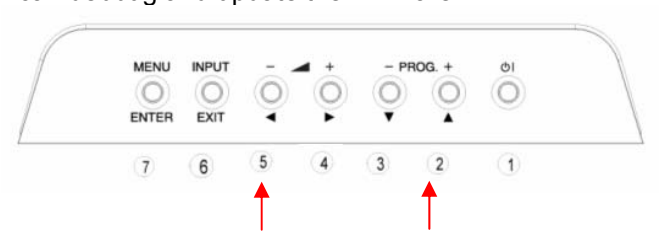
	Enable	
__	Blue Gain	Blue add gain

- **COLOR TEMPERATURE ADJUSTMENTS**

Following the procedures to make the color temperature adjustments. Note that a colorimetry meter (such as a Minolta CA-210) is required to measure the actual screen color temperature.
Low : x=0.301 +/- 0.01, y=0.314 +/- 0.01 = Color Temp.: 7500K
High : x=0.266 +/- 0.01, y=0.264 +/- 0.01 = Color Temp.: 15000K

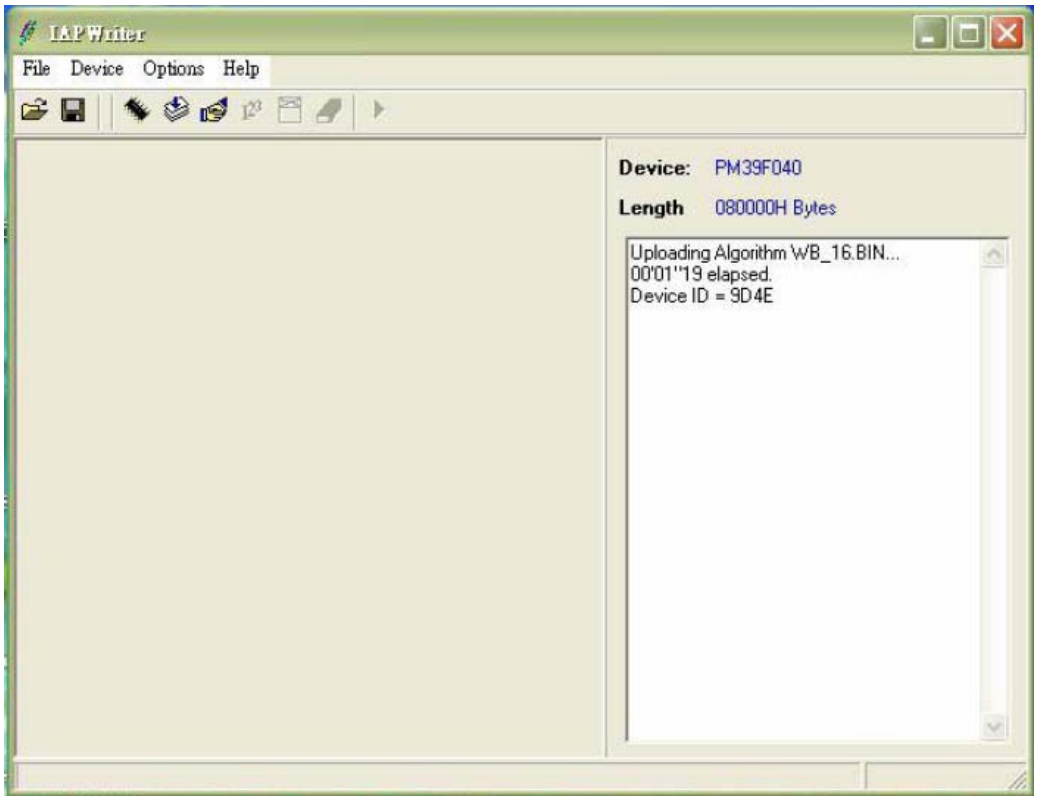
5.2 Firmware update

This model has a Debbug Mode, where the technician can debbug and update the firmware.
Preliminary
1.To access the Bebbug Mode, the TV must be running.



Procedure
2. Press and hold the #2 and #5 button (PROGRAM ▲ and VOLUME▼).
3. After both buttons have been held down for five (5) seconds, then release the #2 and #5 button.
4. Click IAPWriter.EXE

5. Following window will be shown after IAPWriter.EXE is executed.



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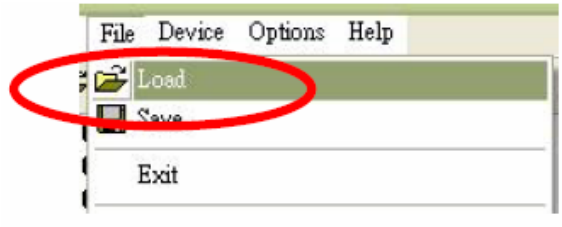
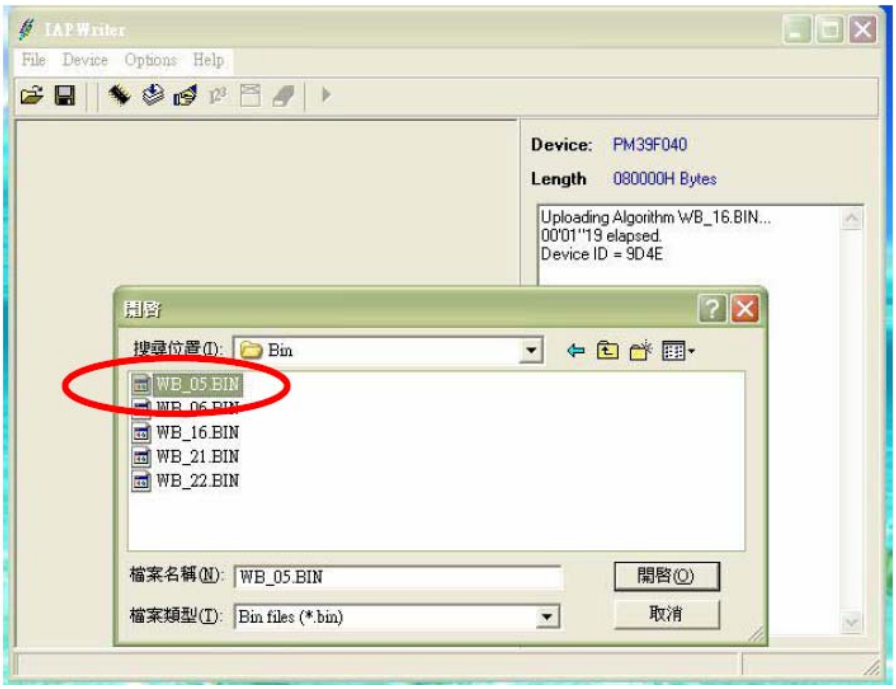
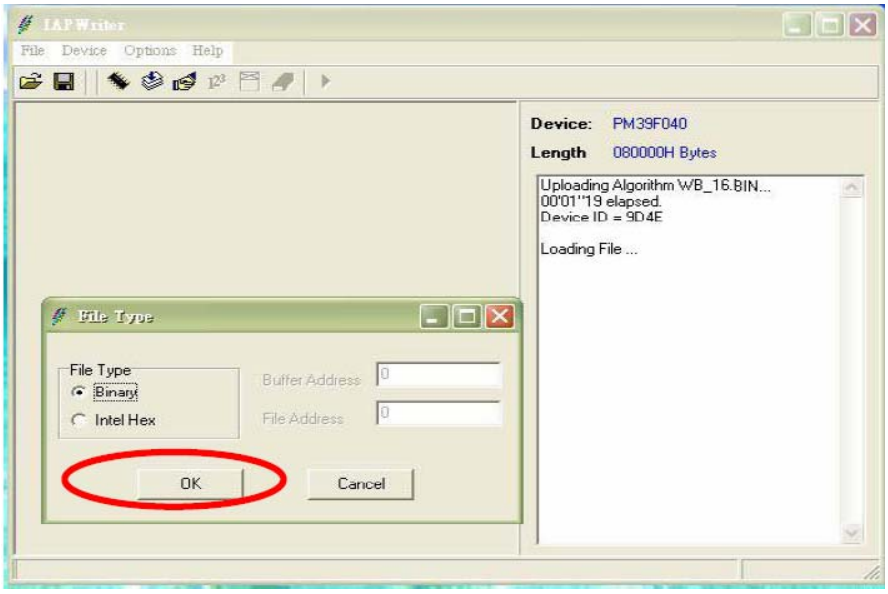
6. Load BIN file.





7. Click OK button



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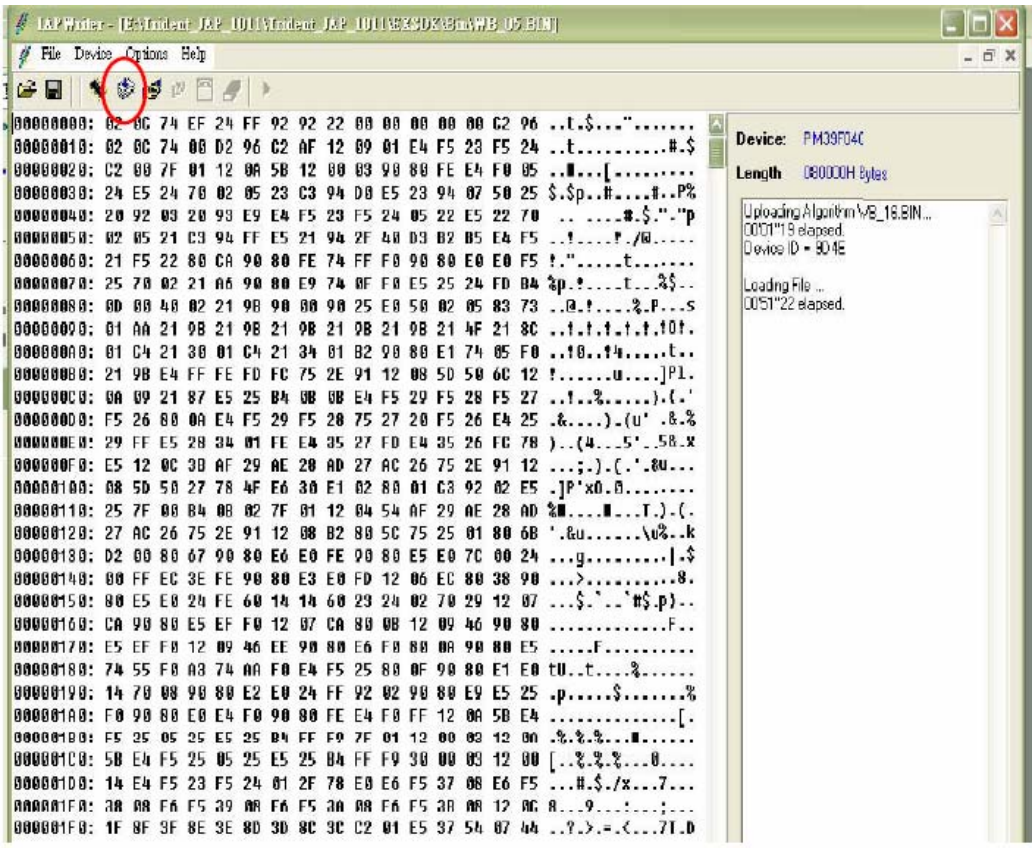
8. Click Write Device icon



9. IAP is finished while following massage is shown.

10. After IAP is done, please disconnect and reconnect AC power switch and do initialization.

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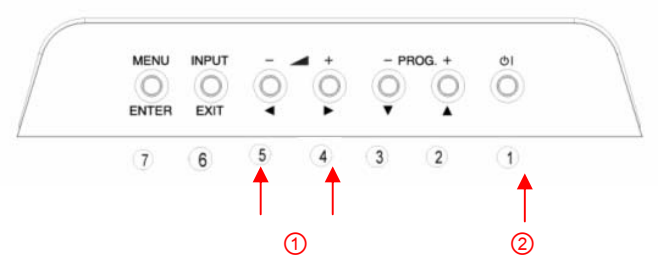
5.3 Initialization

This model has a Initialization Mode, where the technician can initial the EEPROM.

Preliminary

1.To access the Bebbug Mode, the TV must be running.



Procedure

6. Press and hold the #4 and #5 button (VOLUME▲ and VOLUME ▼).
7. While continuing to hold the #4 and #5 button, press and hold the #1 button (SUB-POWER).
8. After both buttons have been held down for five (5) seconds, first release the #1 button, then release the #4 and #5 button.
9. As stated previously, the input that the TV had selected at the time will determine which actual INITIALIZATION display will show up. (See below)

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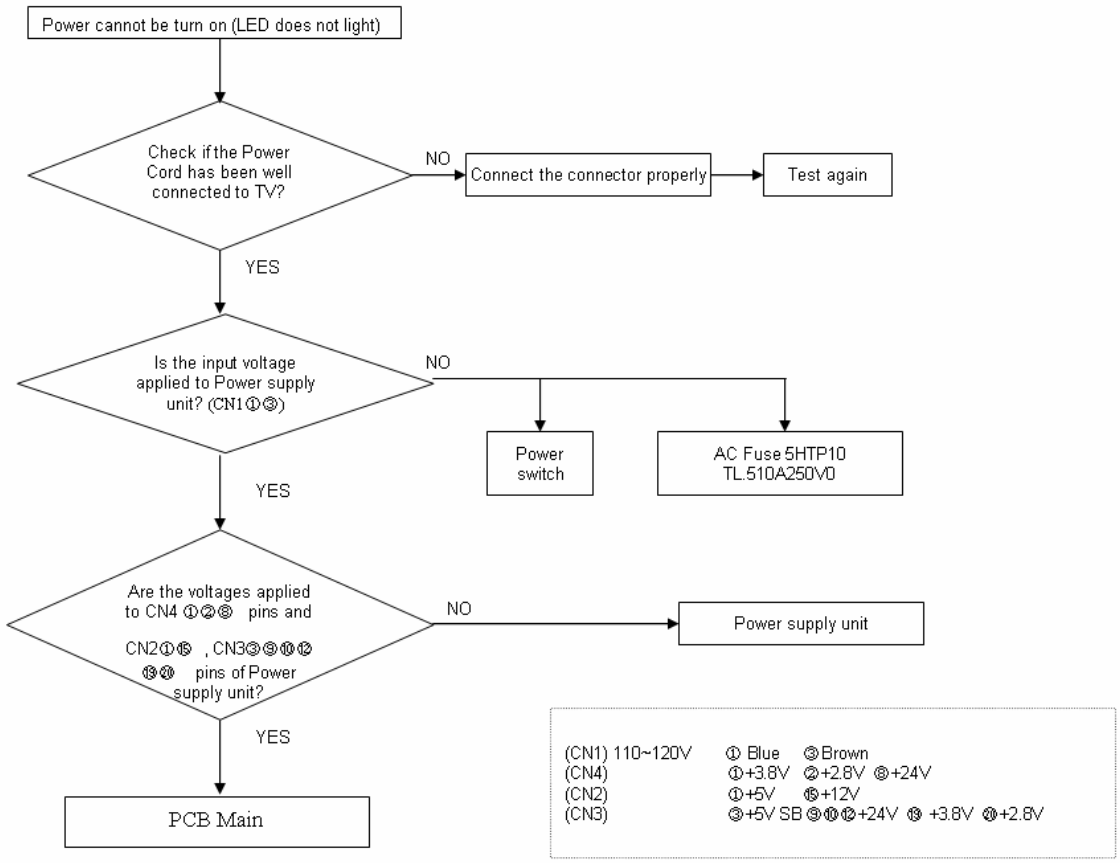
6.Troubleshooting

The flow chart shown below will help you to troubleshoot your TV set with it doesn't display normally. Each procedure offers a simple way to check for system errors. Before starting, ensure that there is a signal in and that the TV is turned on.

• Power Turn On Issue


Power cannot be turn on (LED does not light)
Check if the Power Cord has been well connected to TV?
NO
Connect the connector properly
Test again
YES
Is the input voltage applied to Power supply unit? (CN1①③)
NO
Power switch
AC Fuse 5HTP10 TL.510A250V0
YES
Are the voltages applied to CN4 ①②⑧ pins and CN2①⑮ , CN3③⑨⑩⑫ ⑬⑳ pins of Power supply unit?
NO
Power supply unit
YES
PCB Main
(CN1) 110~120V ① Blue ③Brown
(CN4) ①+3.8V ②+2.8V ⑧+24V
(CN2) ①+5V ⑮+12V
(CN3) ③+5V SB ⑨⑩⑫+24V ⑬ +3.8V ⑳+2.8V

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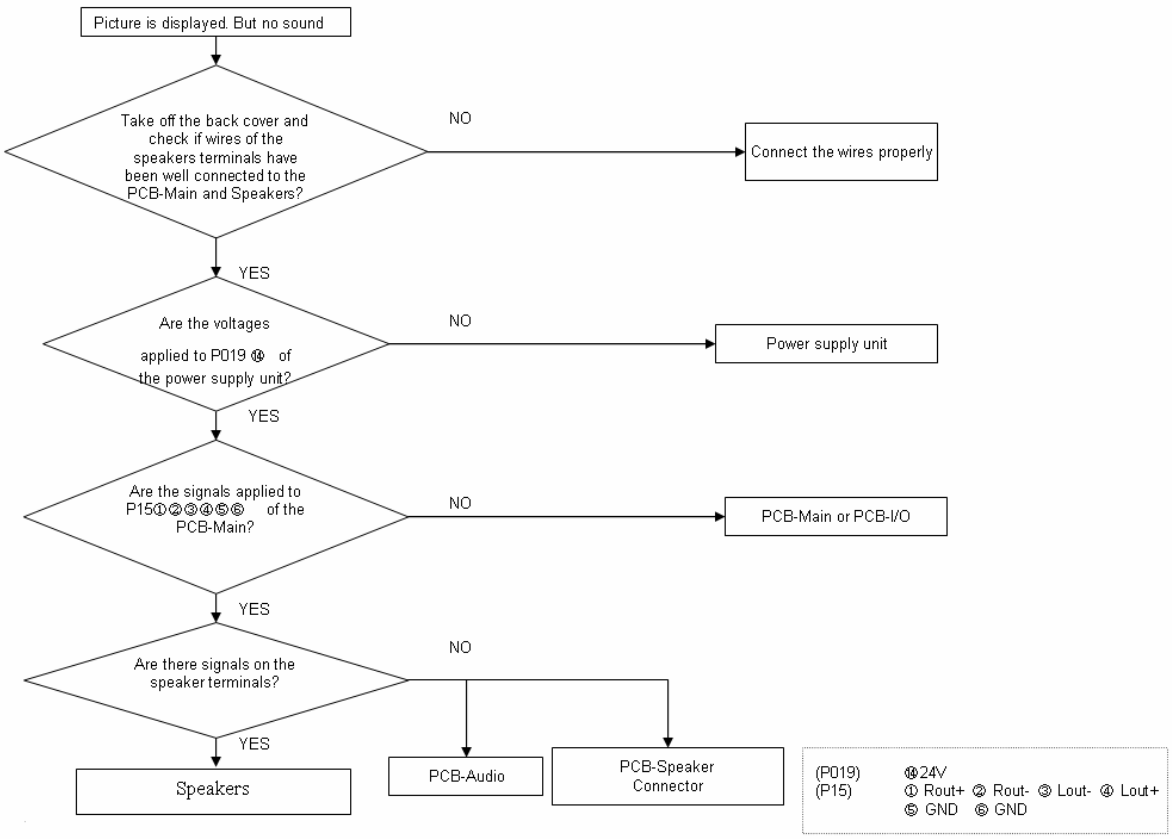
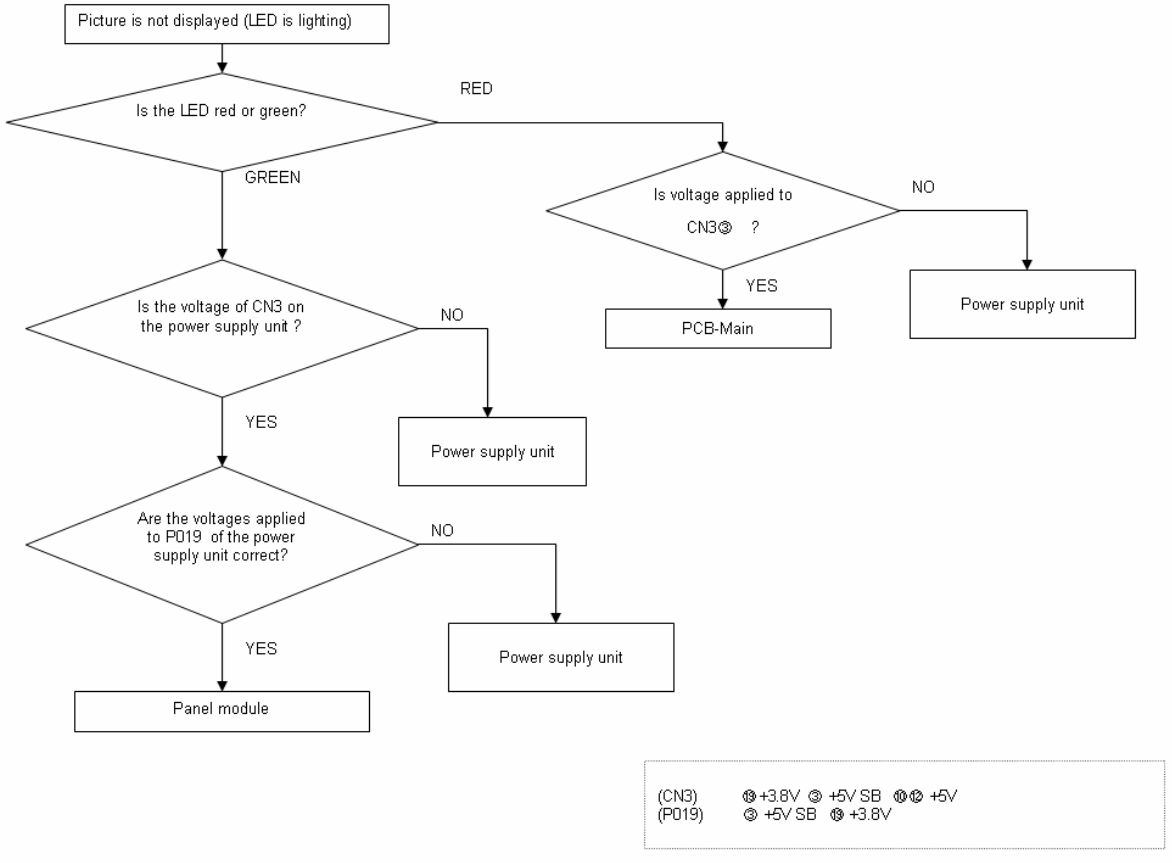
• No Sound Issue


Picture is displayed. But no sound
Take off the back cover and check if wires of the speakers terminals have been well connected to the PCB-Main and Speakers?
NO
Connect the wires properly
YES
Are the voltages applied to P019 ⑱ of the power supply unit?
NO
Power supply unit
YES
Are the signals applied to P15①②③④⑤⑥ of the PCB-Main?
NO
PCB-Main or PCB-I/O
YES
Are there signals on the speaker terminals?
NO
YES
Speakers
PCB-Audio
PCB-Speaker Connector
(P019) ⑱24V
(P15) ① Rout+ ② Rout- ③ Lout- ④ Lout+
⑤ GND ⑥ GND

• No Picture Issue



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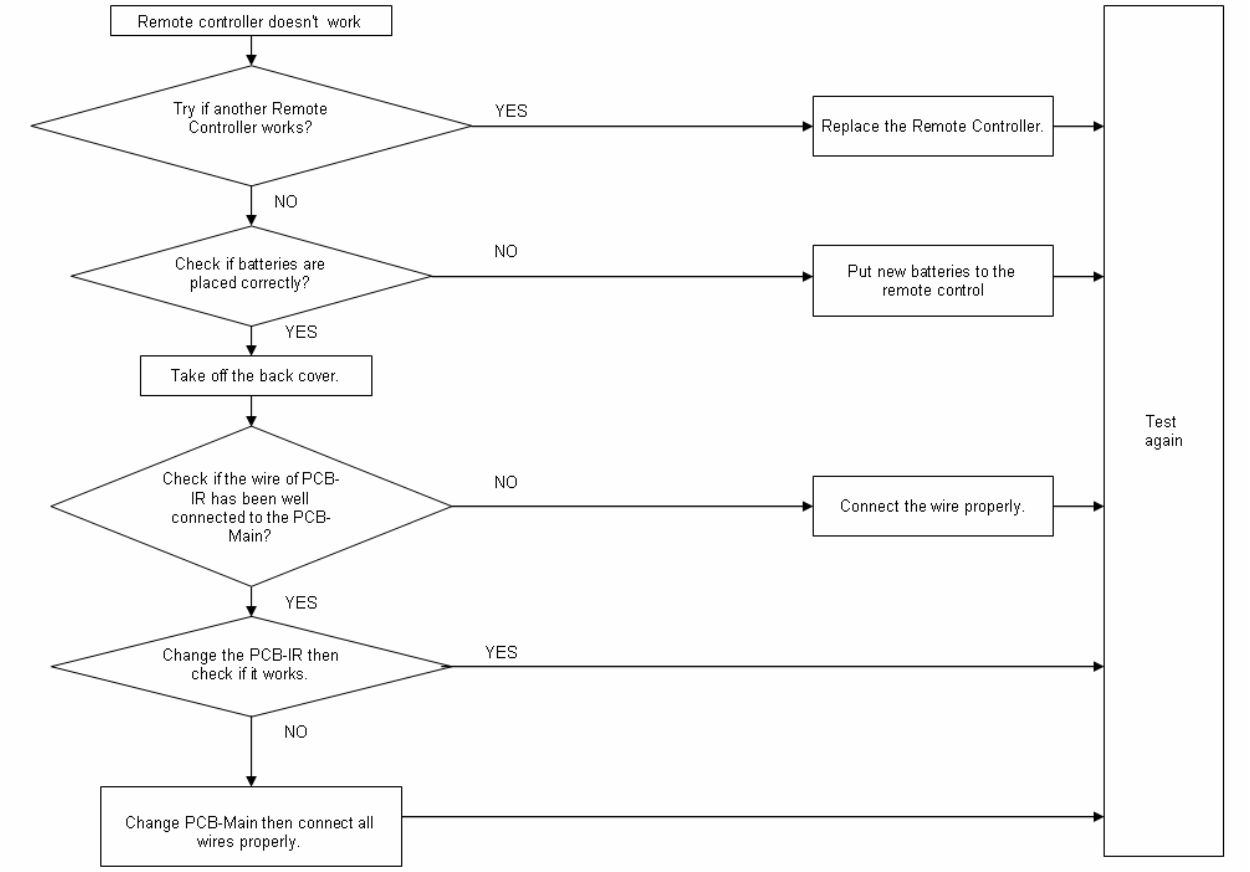
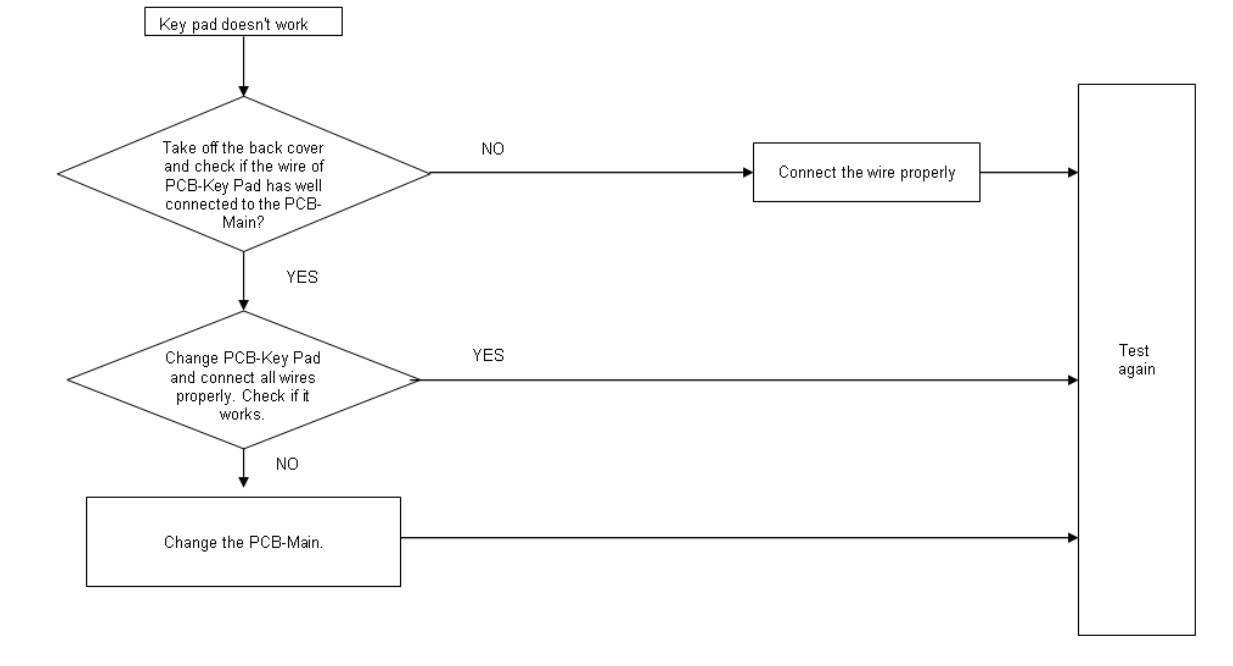
• Remote Control doesn't Work



• Key Pad doesn't Work


Key pad doesn't work
Take off the back cover and check if the wire of PCB-Key Pad has well connected to the PCB-Main?
NO
Connect the wire properly
YES
Change PCB-Key Pad and connect all wires properly. Check if it works.
YES
NO
Change the PCB-Main.
Test again

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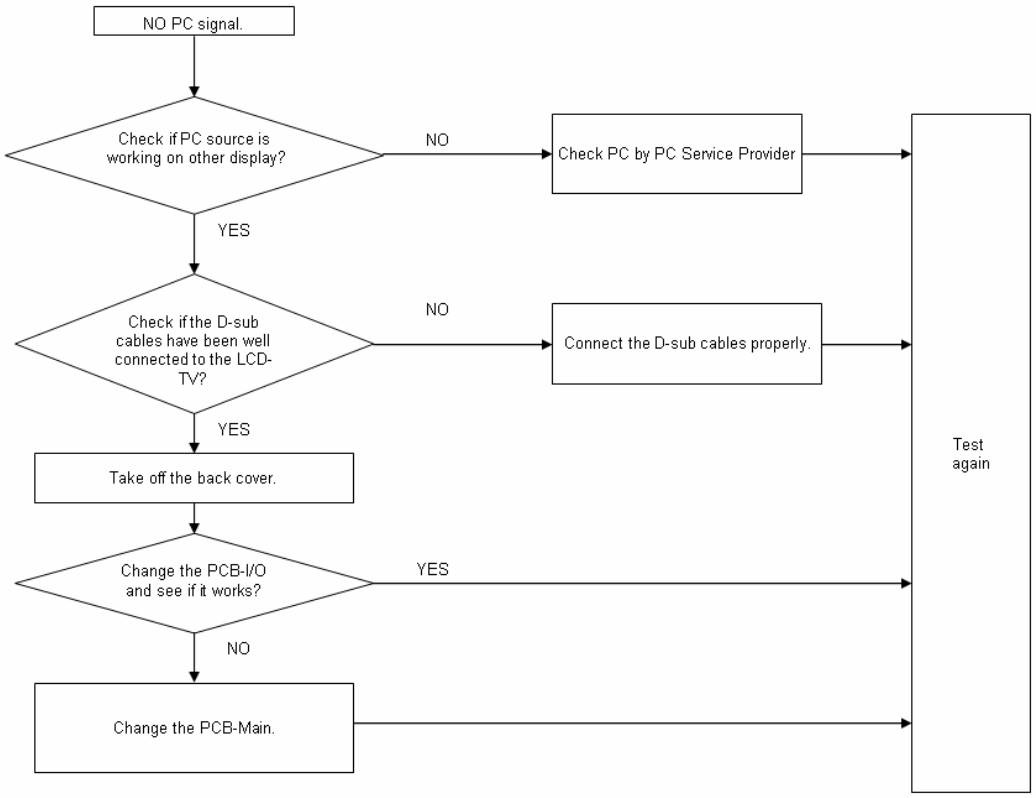
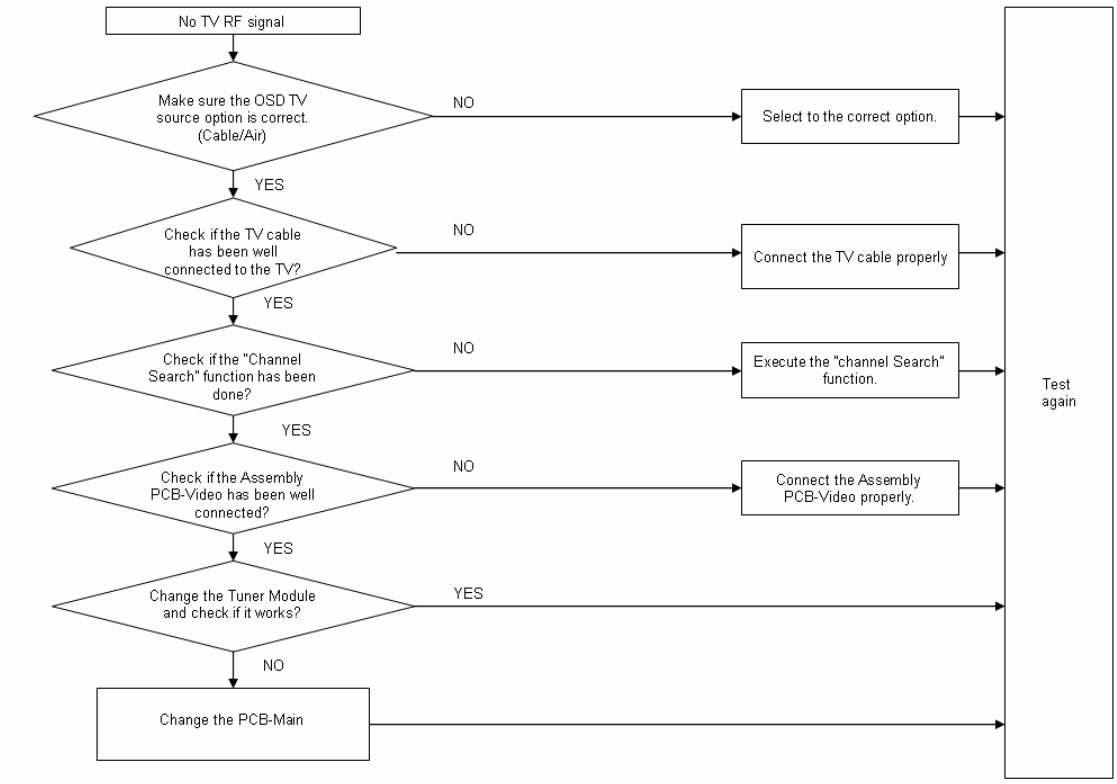
• No PC Signal (Analog RGB)



• TV RF Source no Signal


No TV RF signal
Make sure the OSD TV source option is correct. (Cable/Air)
NO
Select to the correct option.
YES
Check if the TV cable has been well connected to the TV?
NO
Connect the TV cable properly
YES
Check if the "Channel Search" function has been done?
NO
Execute the "channel Search" function.
YES
Check if the Assembly PCB-Video has been well connected?
NO
Connect the Assembly PCB-Video properly.
YES
Change the Tuner Module and check if it works?
YES
NO
Change the PCB-Main
Test again

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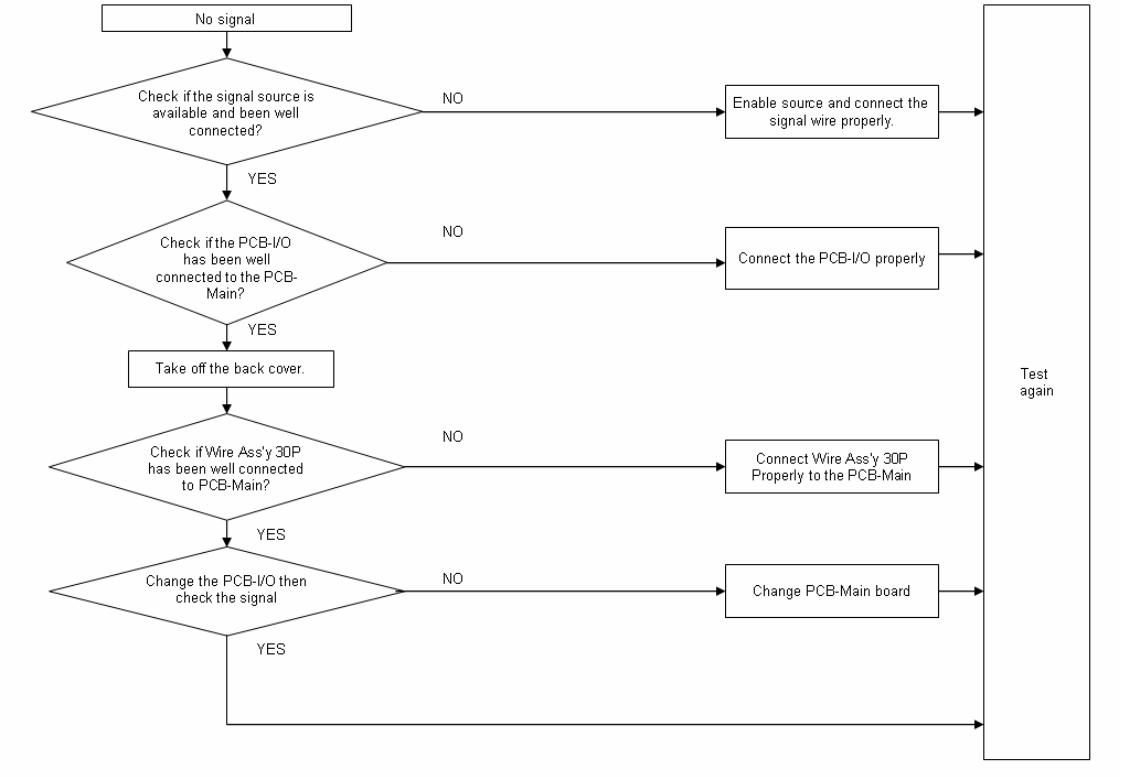
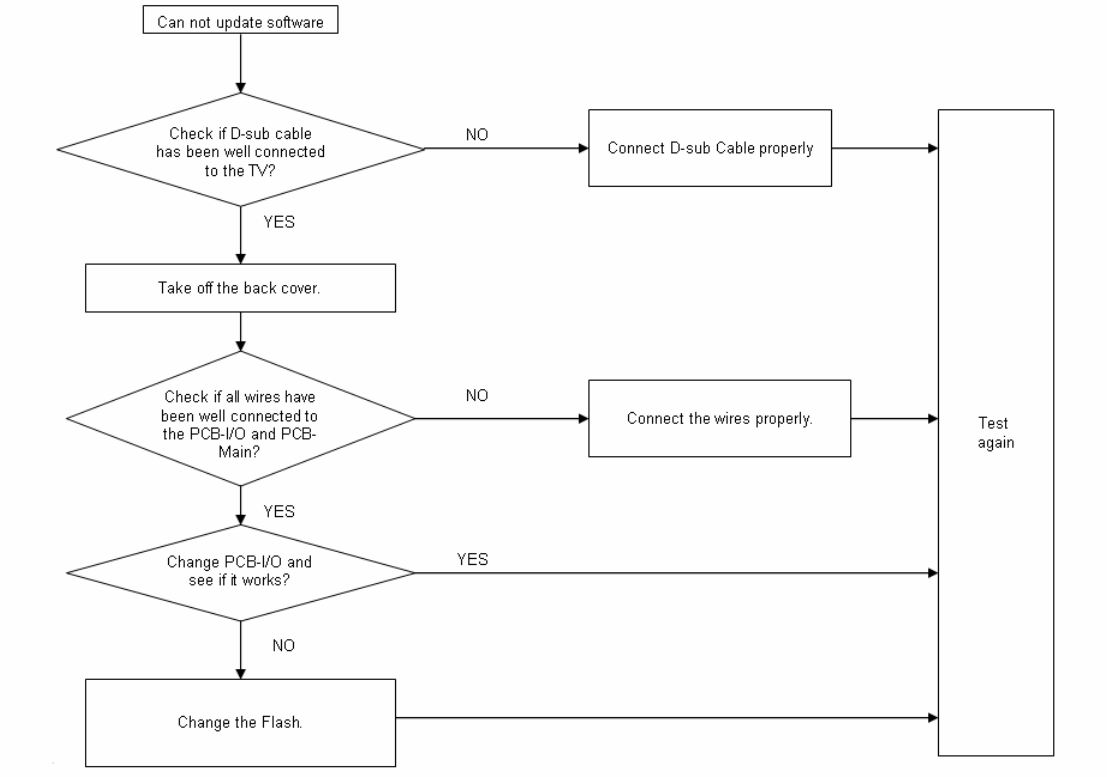
• No Signal Issue (Composite, Component)


No signal
Check if the signal source is available and been well connected?
NO
Enable source and connect the signal wire properly.
YES
Check if the PCB-I/O has been well connected to the PCB-Main?
NO
Connect the PCB-I/O properly
YES
Take off the back cover.
Check if Wire Ass'y 30P has been well connected to PCB-Main?
NO
Connect Wire Ass'y 30P Properly to the PCB-Main
YES
Change the PCB-I/O then check the signal
NO
Change PCB-Main board
YES
Test again

• Software can't be updates



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7.Self Diagnosis Function

If a problem arises while you are using the TV, please read this self diagram function guide carefully before you ask to have the TV repaired. You may be able to fix it easily by yourself. For example, if the mains plug is disconnected from the mains outlet, or the TV aerial has problems, you may think there is a problem with the TV itself.

Important:

- This self diagram function guide only covers problems whose causes are not easy to decide. If you have a question when you are operating a function, read the page(s) for that function carefully, not this self diagram function guide.
- If you follow the advice in this self diagram function guide without any success, unplug the mains plug and ask your TV to be repaired. Do not attempt tp repair the TV by yourself or to remove the rear cover of the TV.

If you cannot turn on the TV:

- Are the AC plug on the power cordfrom the TV is connected to AC outlet?

Poor picture:

- If noise totally blocks out the picture , there may be a problem with the aerial or the aerial cable. Check the following to try to solve the problem:
  - Have the TV and aerial been connected properly?
  - Has the aerial cable been damaged?
  - Is the aerial pointing in the right direction?
  - Is the aerial itself faulty?
- If the TV or aerial suffers interface from other equipment, stripes or noise may appear in the picture. Move any equipment such as an amplifier, personal computer, or a hair drier, that can cause interference away from your TV. Or try moving the TV. If the aerial suffers interference from a ratio tower or high-voltage wire, please contact your local dealer.
- If the TV suffers interference from signals reflecting from mountains or buildings, double-pictures(ghosting) will occur. Try to change the aerial's direction or replace it with one with better directionality.
- Have the COLOR and BRIGHT settings been adjusted properly?
- Videotaping teletext is not recommended because it may not record correctly.
- When viewing images from commercially available video software products, or videos from videotapes which have been recorded improperly, the top of the image may be distorted. This is due to the condition of the video signal. There is nothing wrong with the TV.

Poor sound:

- Have you adjusted BASS or TREBLE properly?

If the TV does not respond to the remote control:

- Have the batteries of the remote control worn out?
- Have you attempted to use the remote control from the sides or rear of the TVor from more than seven metersaway from the TV? Use the remote control in the front of your TV or from less than seven meters away.
- If the TV suddenly stops responding, disconnect the power cord of the TV from the AC outlet. Connect them to the AC outlet again to turn on the TV. If the TV returns to a normal state, it is not a failure.

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Other concerns:

- When the SLEEP TIMER function operates, the TV is auto matically turned off. If the TV suddenly turns off, try to press the standby button to turn on the TV once again. If the TV goes back to normal, there is no problem.
- It takes a short period of time from the time an operation such as changing channels is performed until an image is displayed. This is not a malfunction. This is the time required for the image to stabilize it can be displayed.
- The TV may make a crackling sound due to a sudden change in temperature. The picture or sound may be normal. If you hear crackling sounds frequently while you are viewing the TV, there may be other causes. As a precaution, ask your service technician to inspect it.
- The top of the TV and the screen may become hot during use but this has no effect on the performance of the TV. Ensure that the ventilation holes are not blocked.
- When the picture is unstable, the screen may become white for a moment. This occurs when the signal which drives the liquid crystal is missing. This is not a malfunction.
- When a still image has been displayed for a long period, a faint residual image may remain on the screen for a short time after the power has been turned off or when another image is displayed. This is not a malfunction and the image will eventually disappear.

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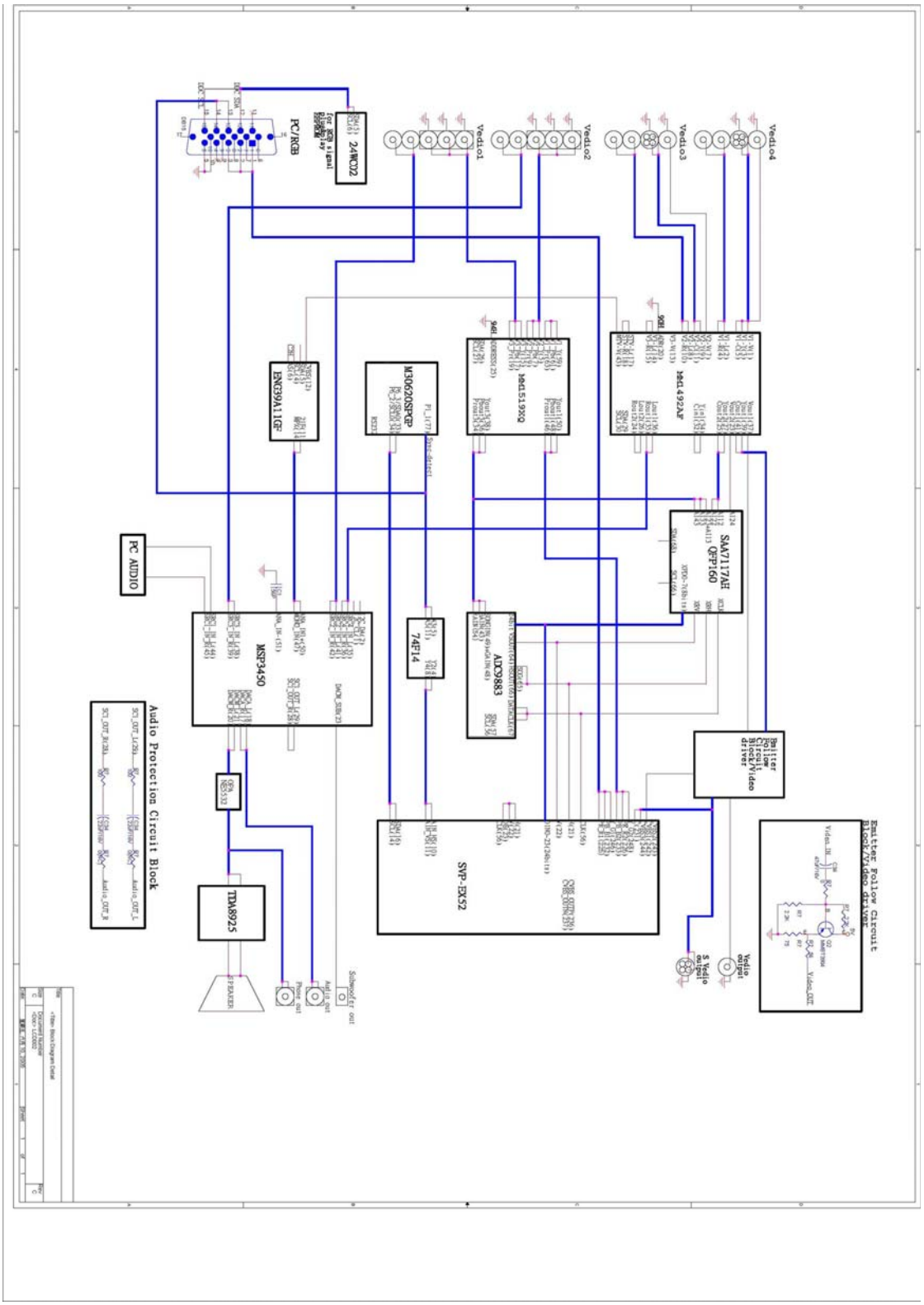
8.Block Diagram

- LCD-TV



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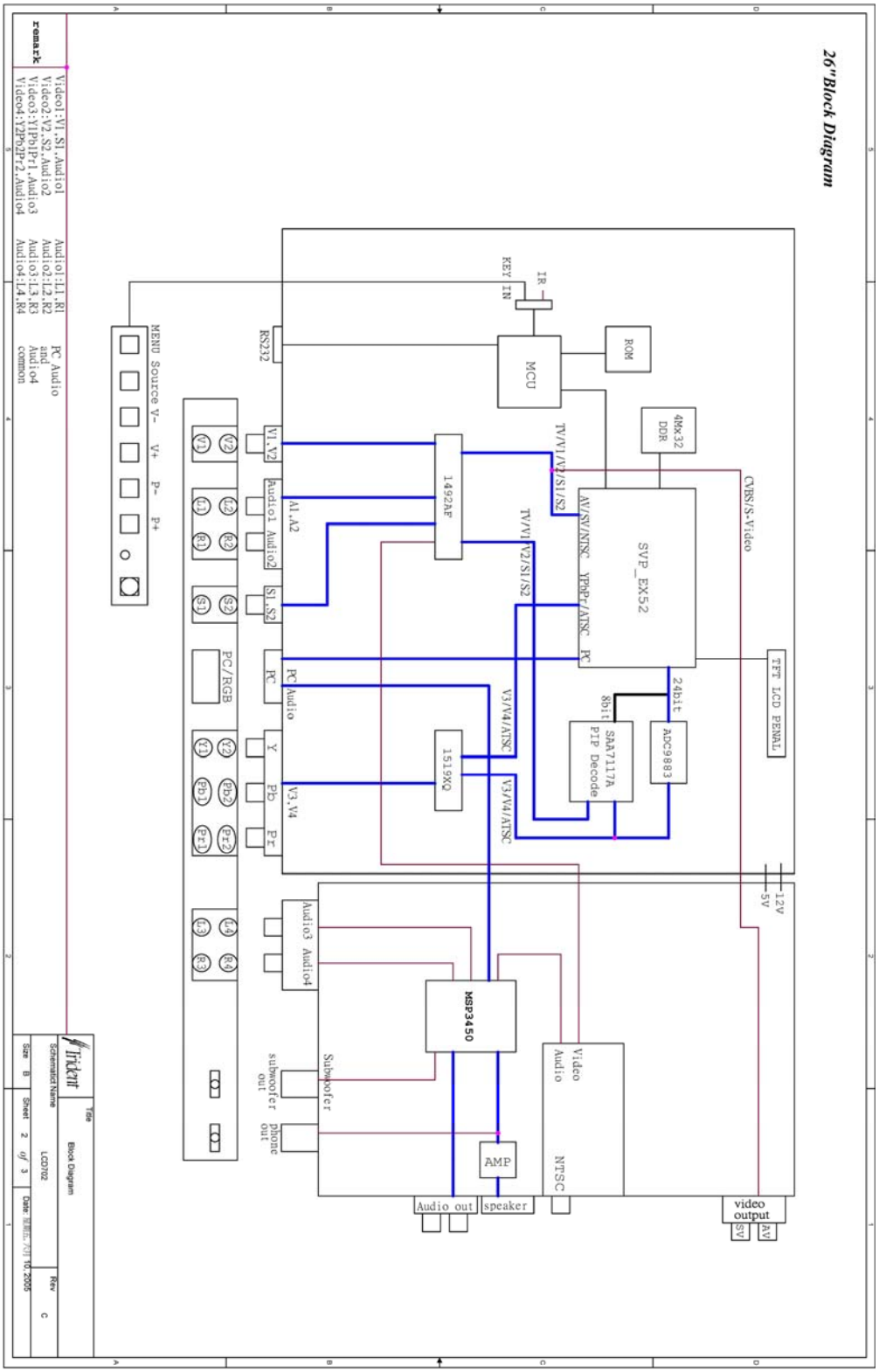

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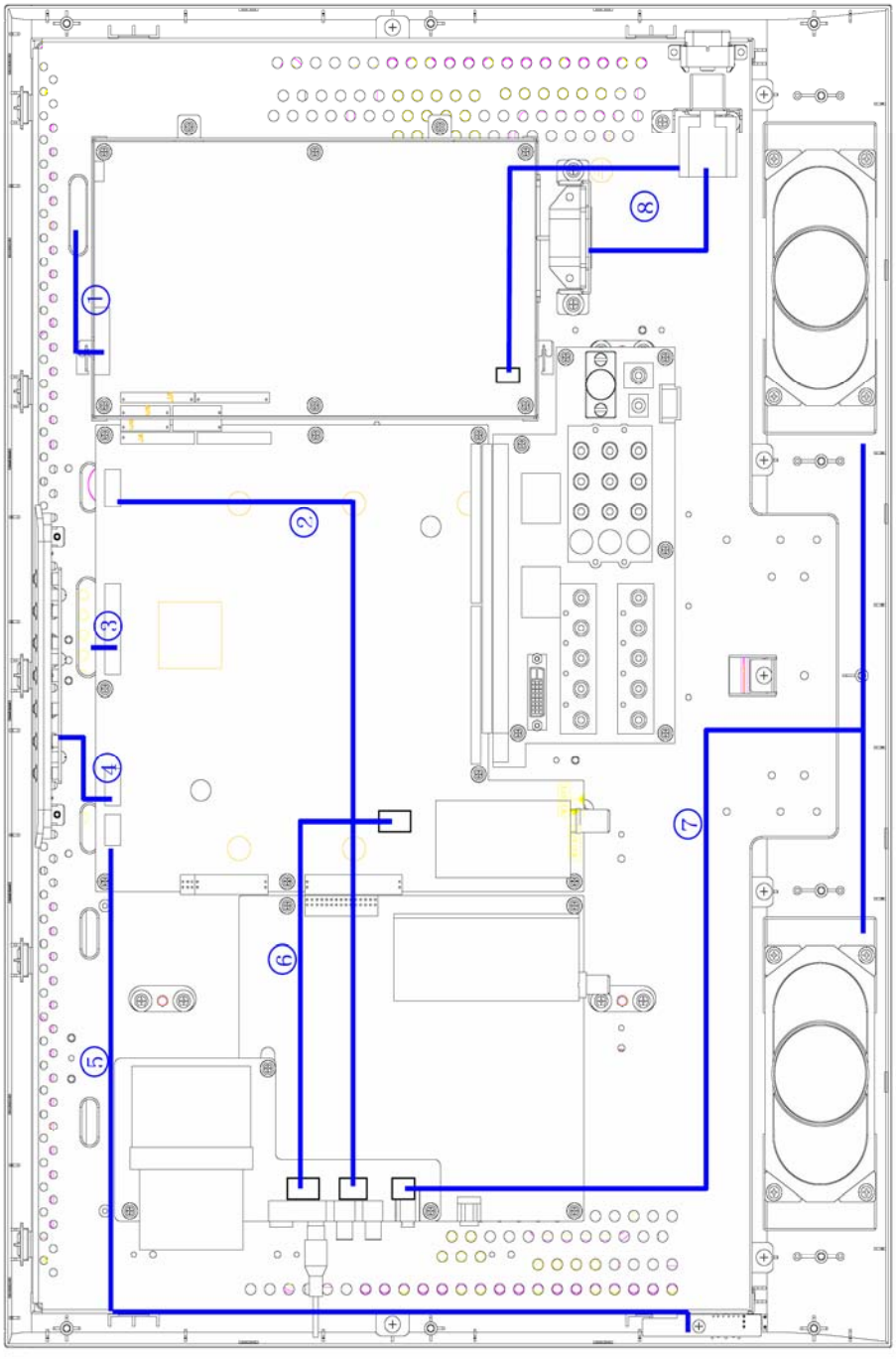
9. Wiring Block Diagram



Item	No.	Wire	Part No.
1	V901B	Wire Ass'y W12/14/12P Conn.	E057414004
2	P015A	Wire Ass'y W6/6P Conn.	E057406003
3	V901A	Wire Ass'y W30/30P Conn.	E057430010
4	P011A	Wire Ass'y W8/8P Conn.	E057408004
5	P010A	Wire Ass'y W5/5P Conn.	E057405010
6	P008A	Wire Ass'y W12/12P Conn.	E057412007
7	P905A	Wire Ass'y W4/2P Conn.	E057404012
8	SW01A	Wire Ass'y Inlet W3P Conn.	E057403012

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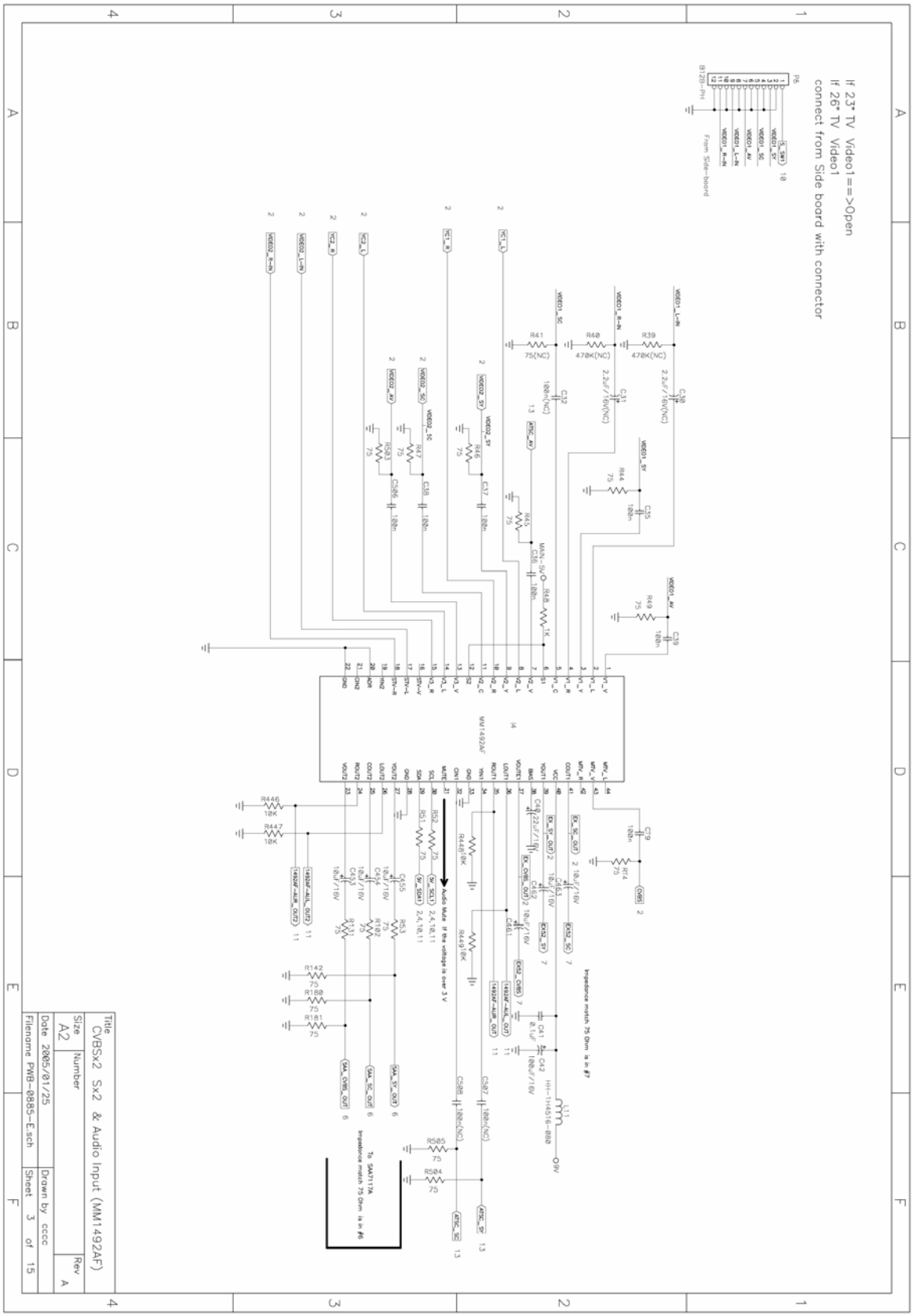
10. Circuit Diagram

- Main Board (PWB-0885)



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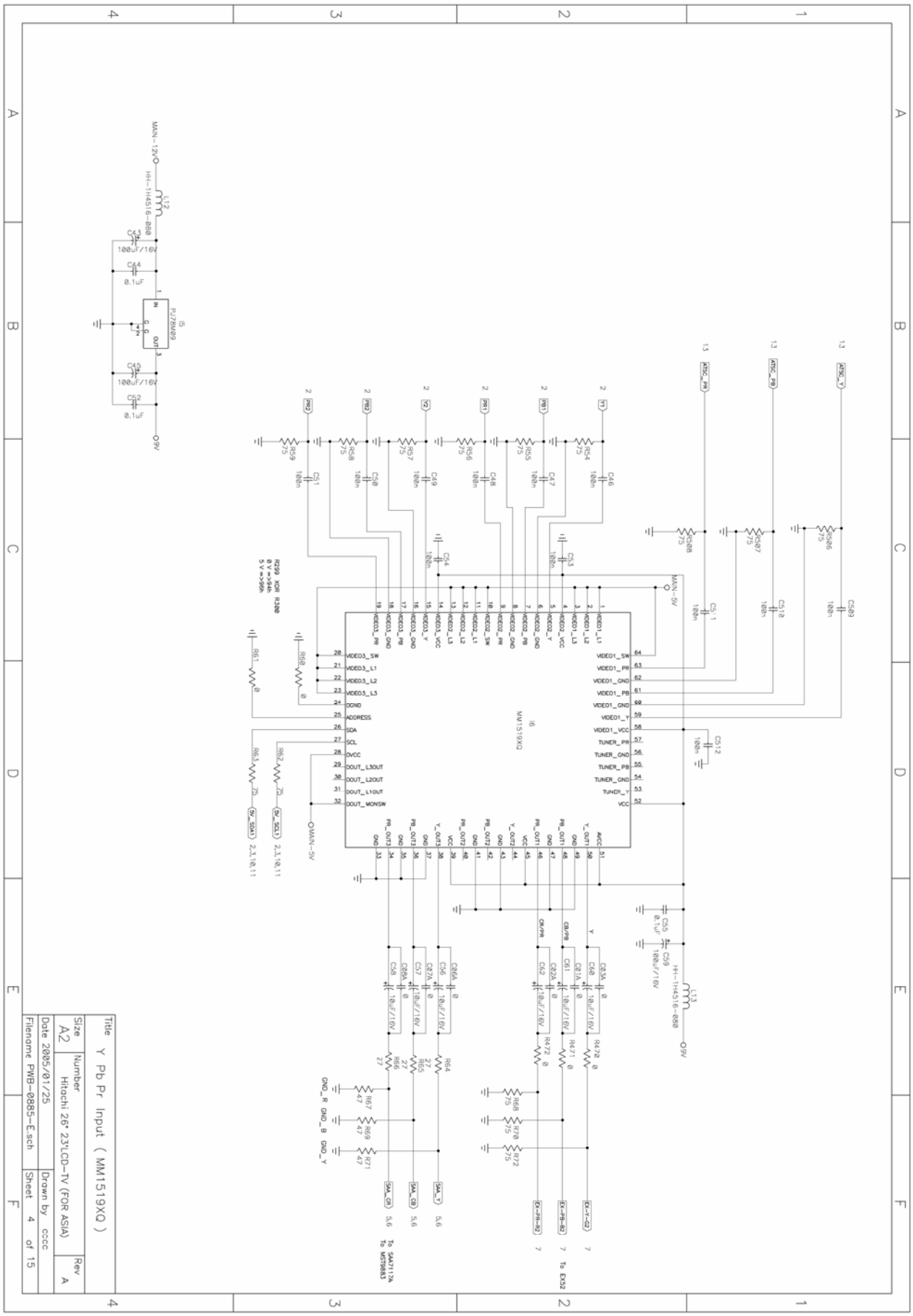

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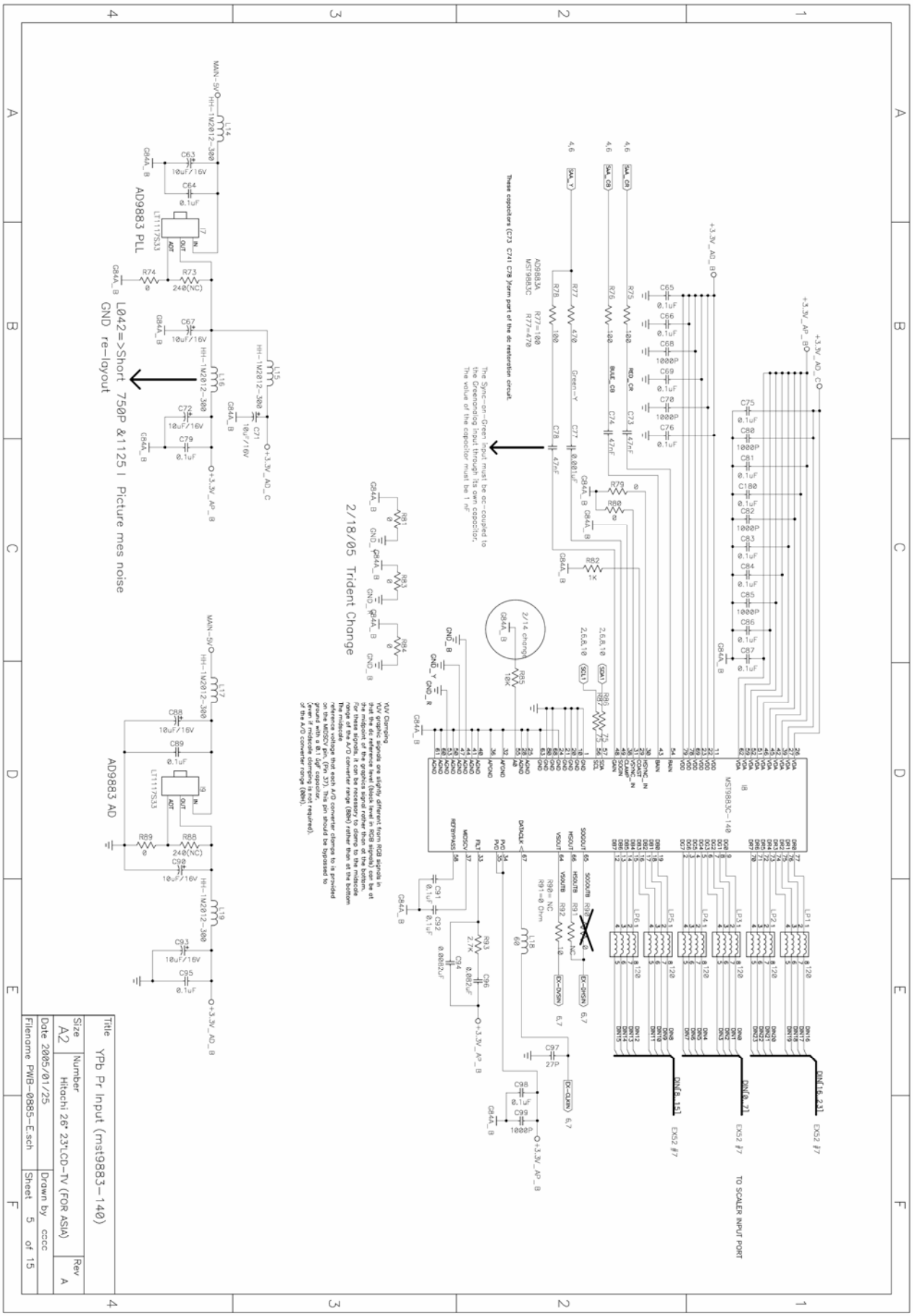

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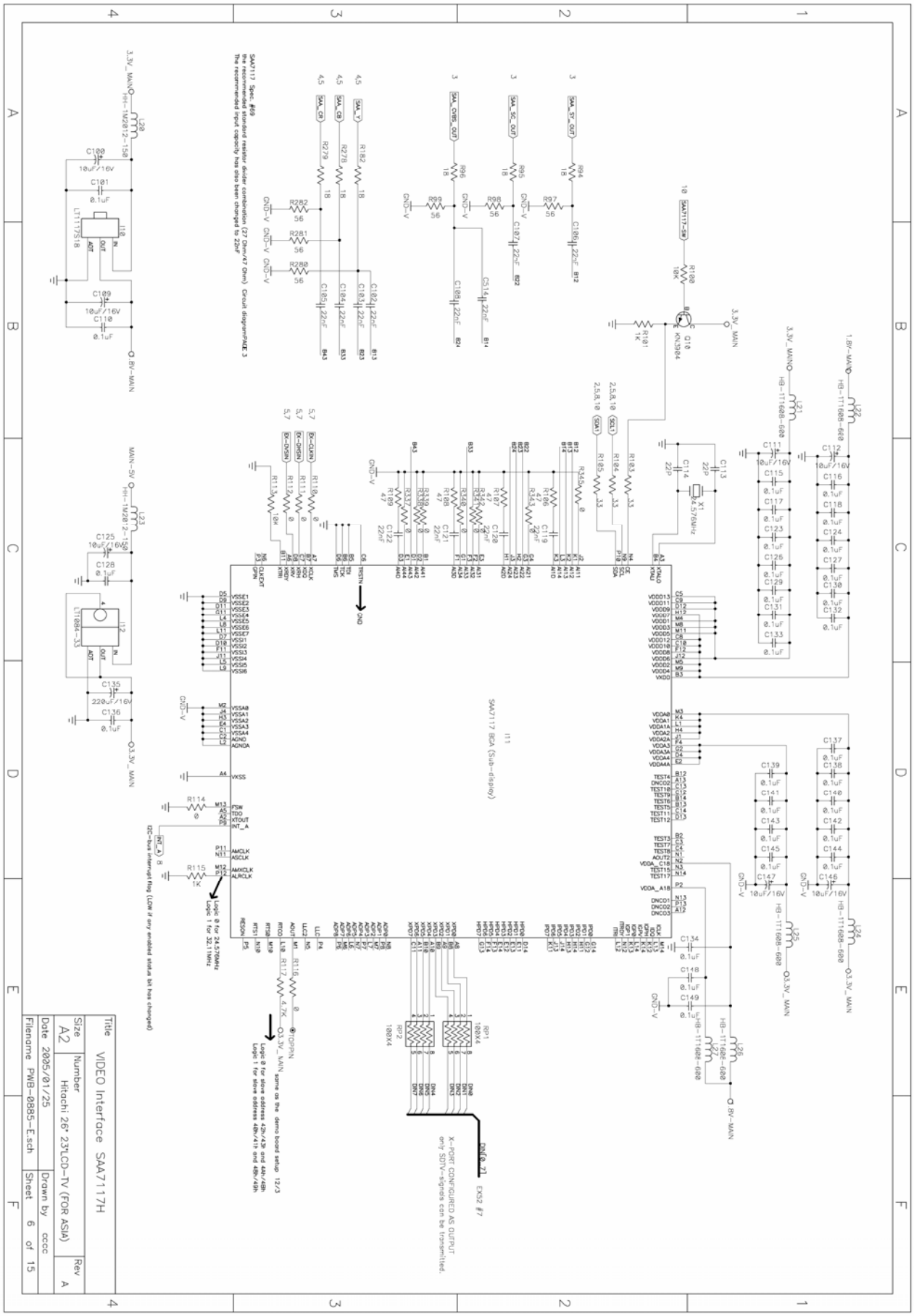
Title
VIDEO Interface SAA7117H
Size
A2
Number
Hitachi 26" 23"LCD-TV (FOR ASIA)
Rev
A
Date 2005/01/25
Drawn by cccc
Filename PWB-0885-E.sch
Sheet 6 of 15
SAA7117 Spec #69
the recommended standard resistor divider combination (27 Ohm/47 Ohm) Circuit diagram=PAGE 3
The recommended input capacity has also been changed to 22nF
I11
SAA7117 BGA (Sub-display)
I2C-bus interrupt flag (LOW if any enabled status bit has changed)
Logic 0 for 24.576MHz
Logic 1 for 32.1MHz
Logic 0 for slave address 42h/43h and 44h/45h
Logic 1 for slave address 48h/41h and 49h/49h
same as the demo board setup 12/3
X-PORT CONFIGURED AS OUTPUT
only SDTV-signals can be transmitted.
EXS2 #7

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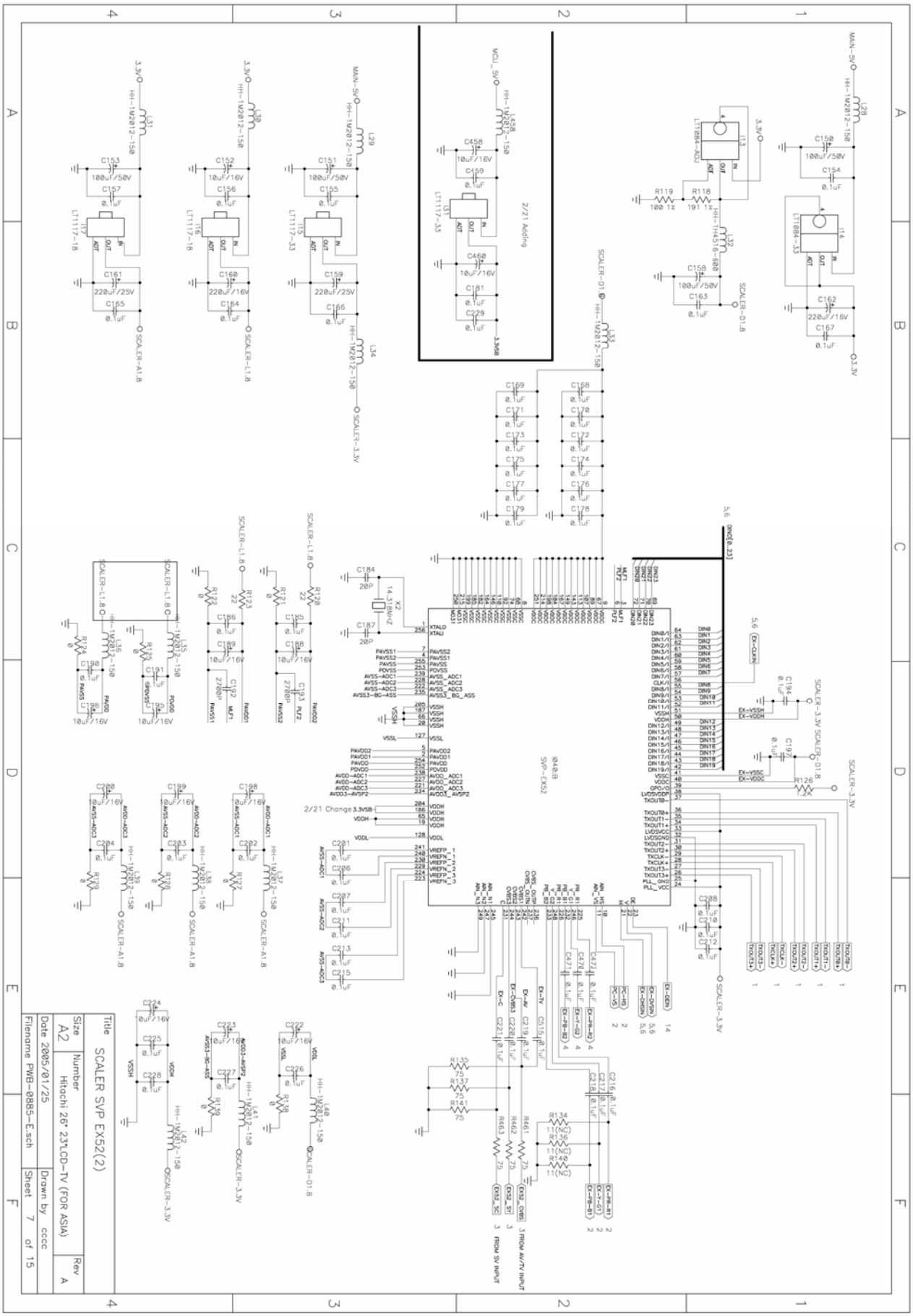

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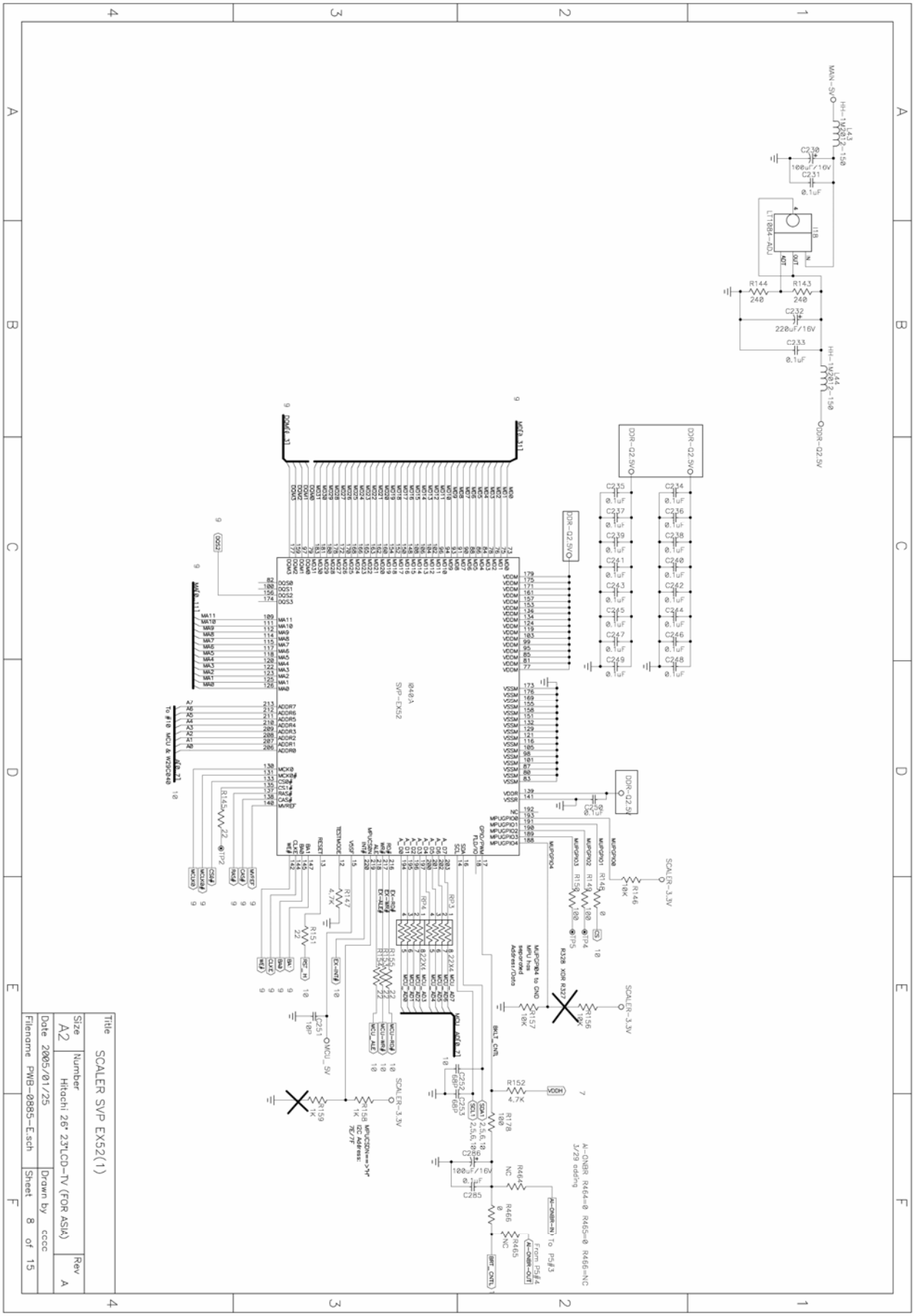

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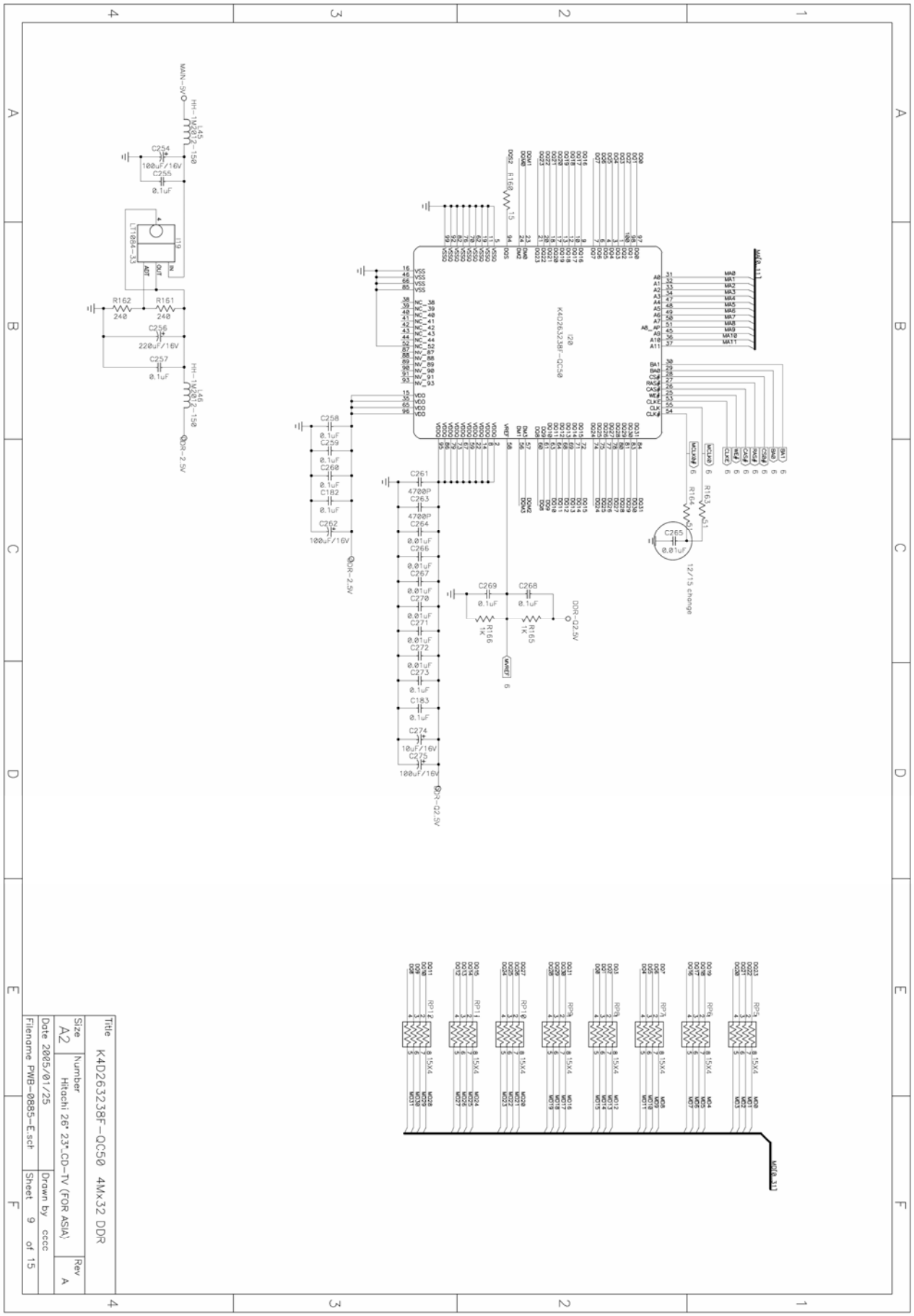

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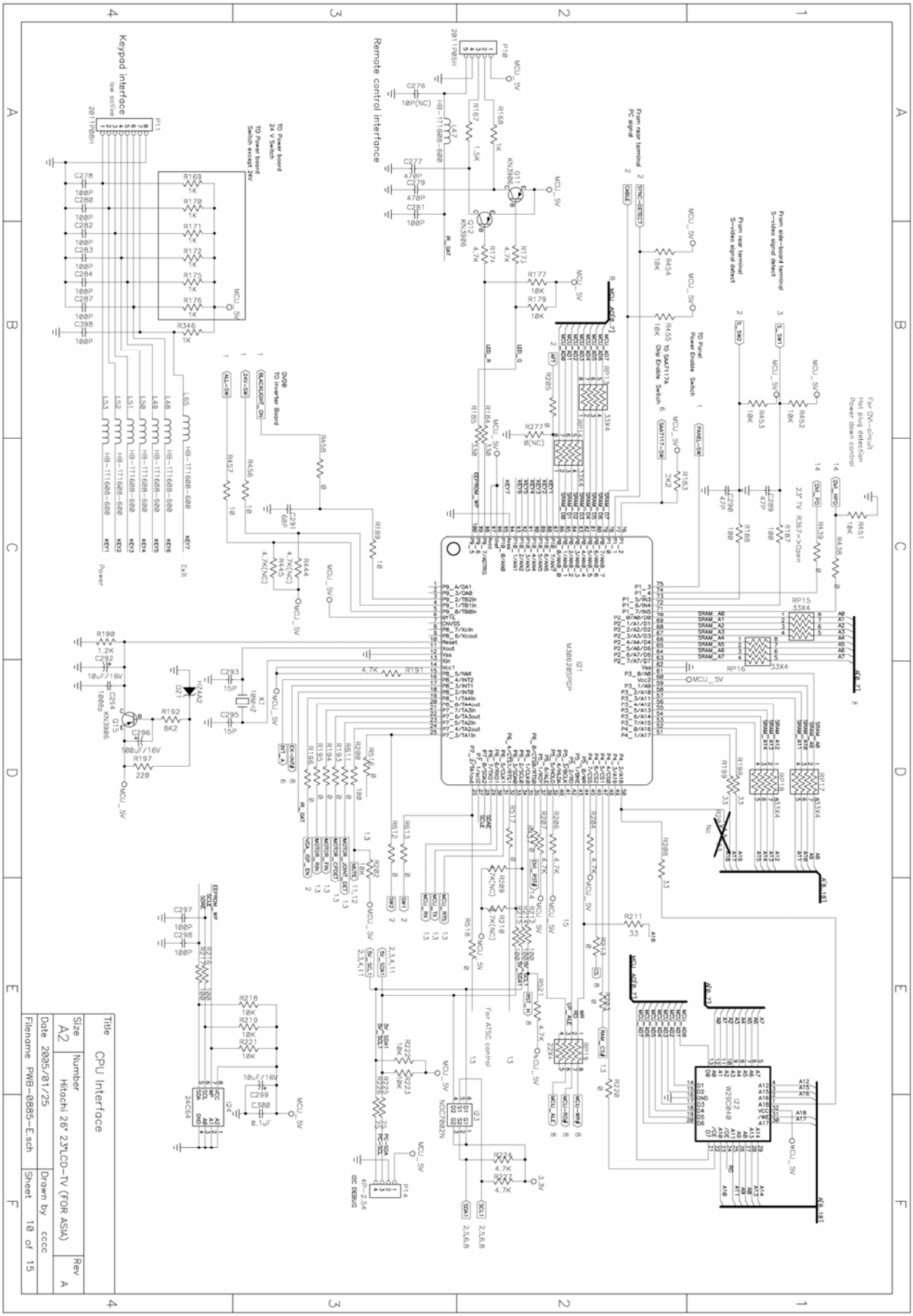

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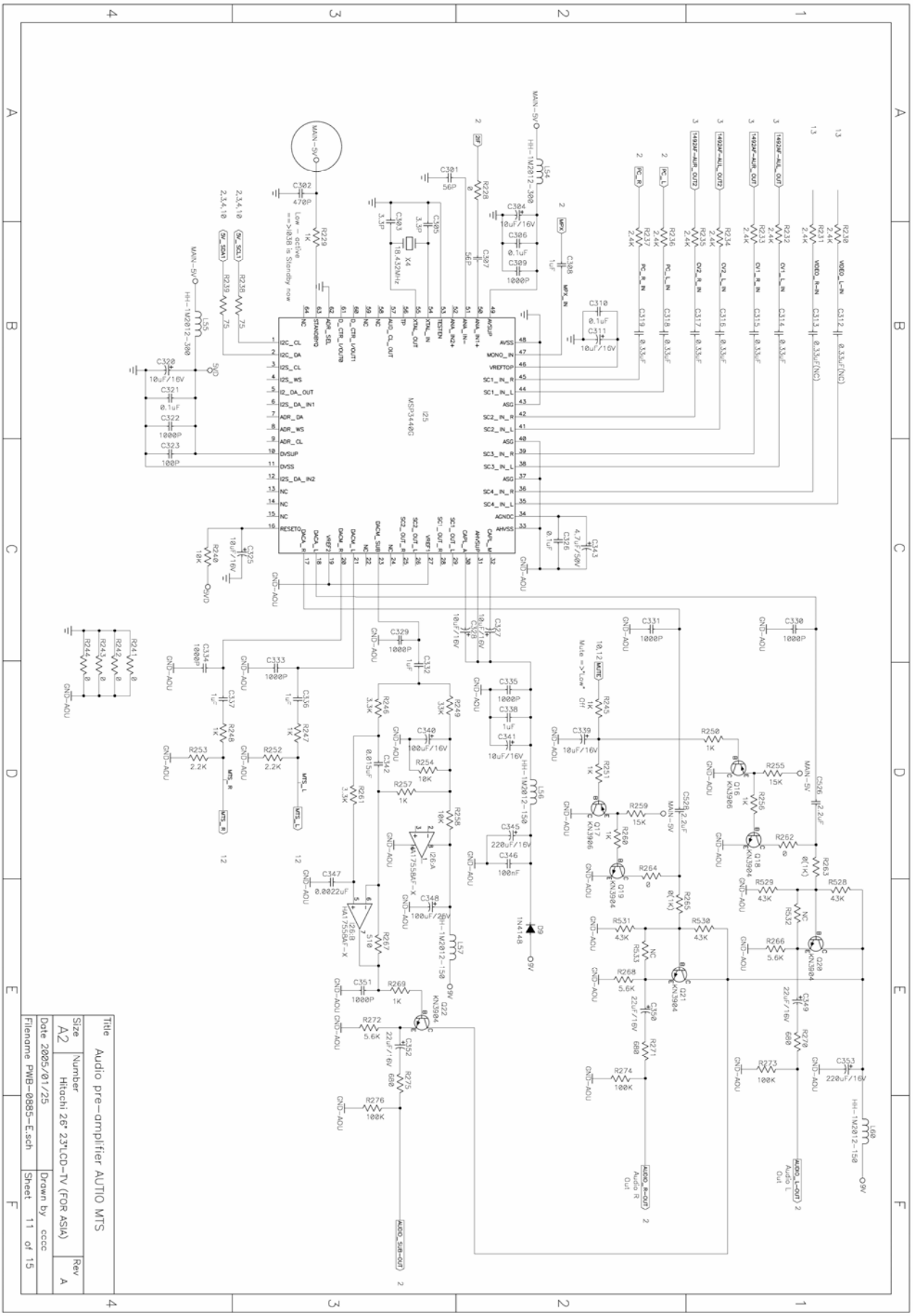

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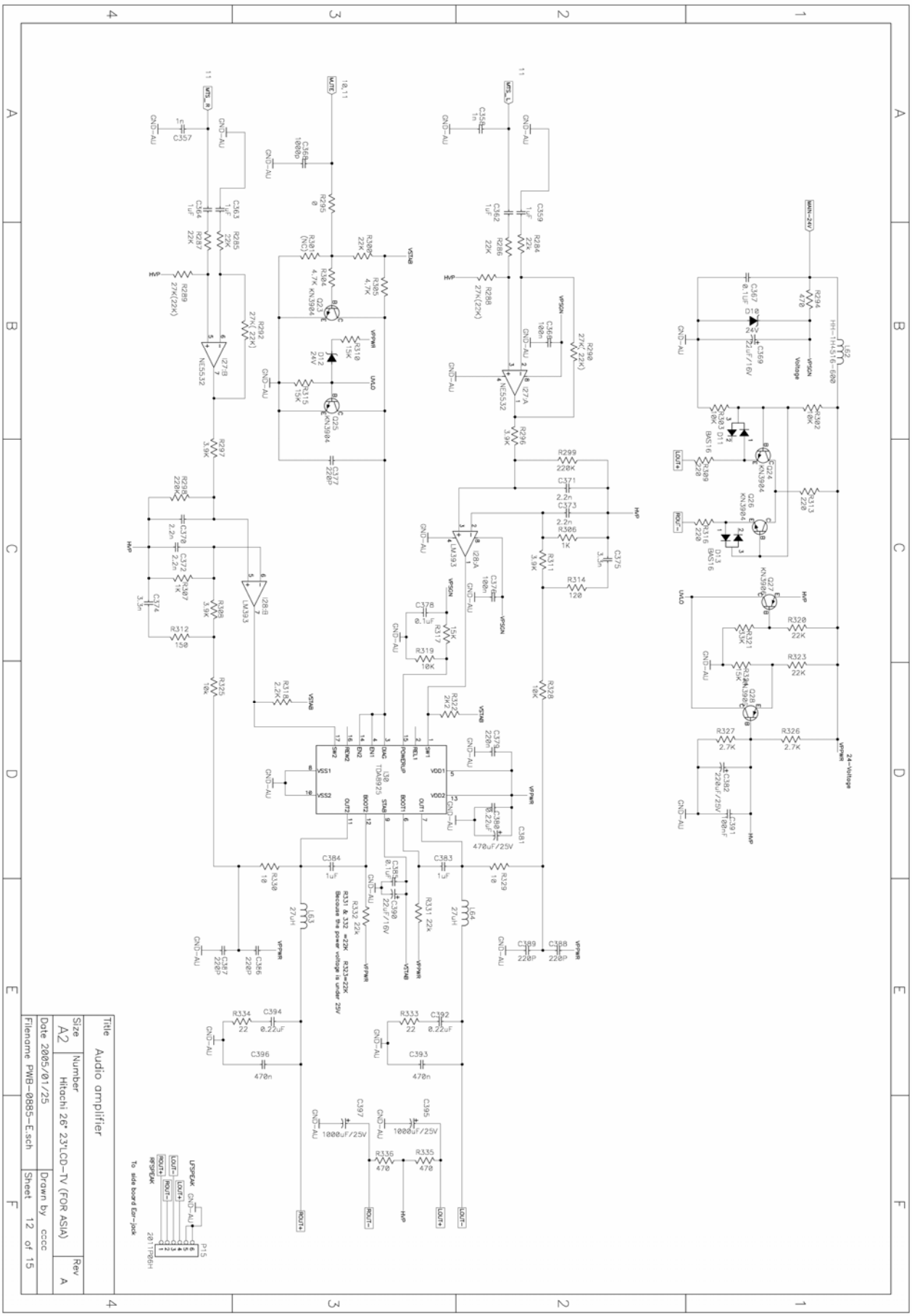

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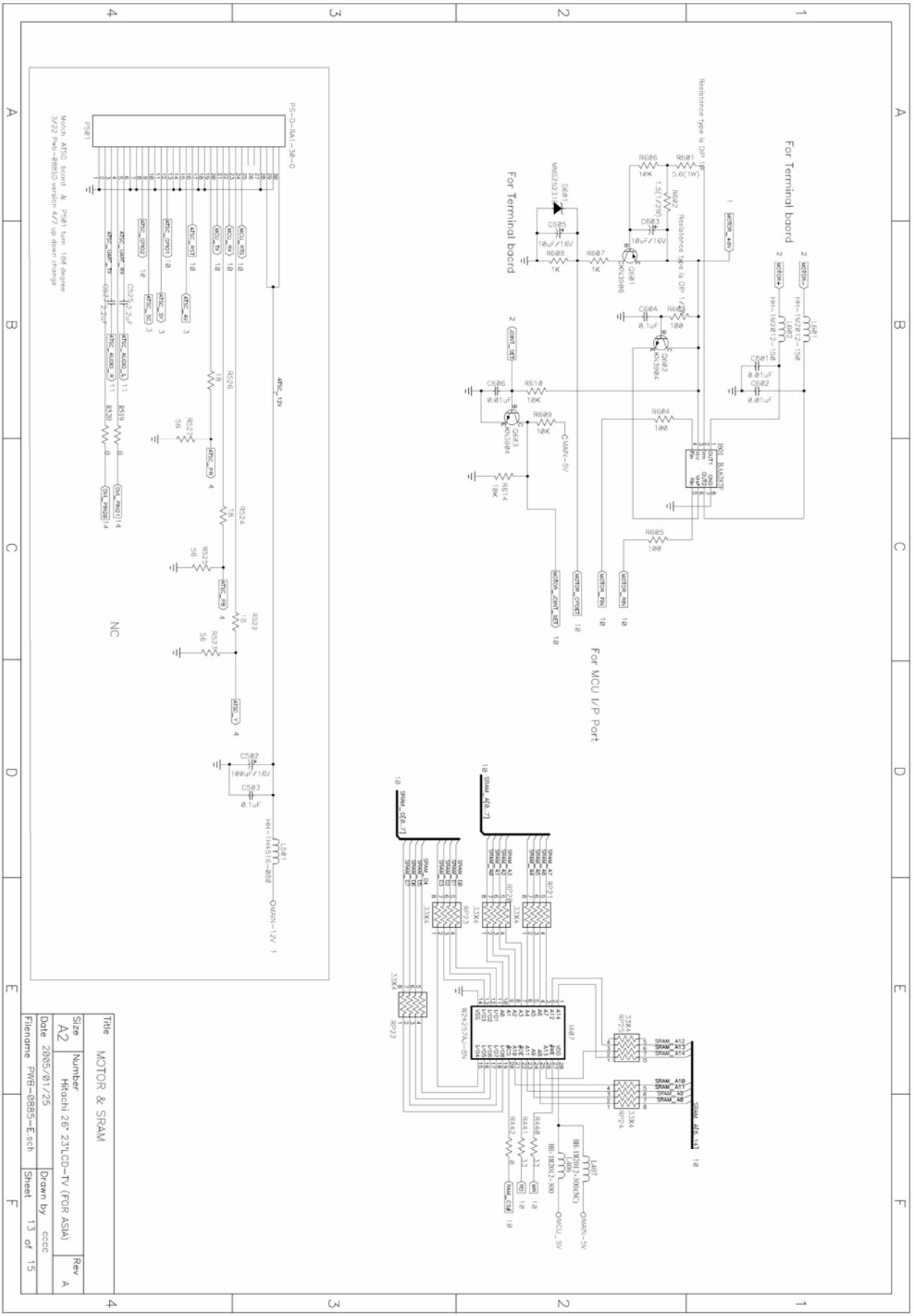

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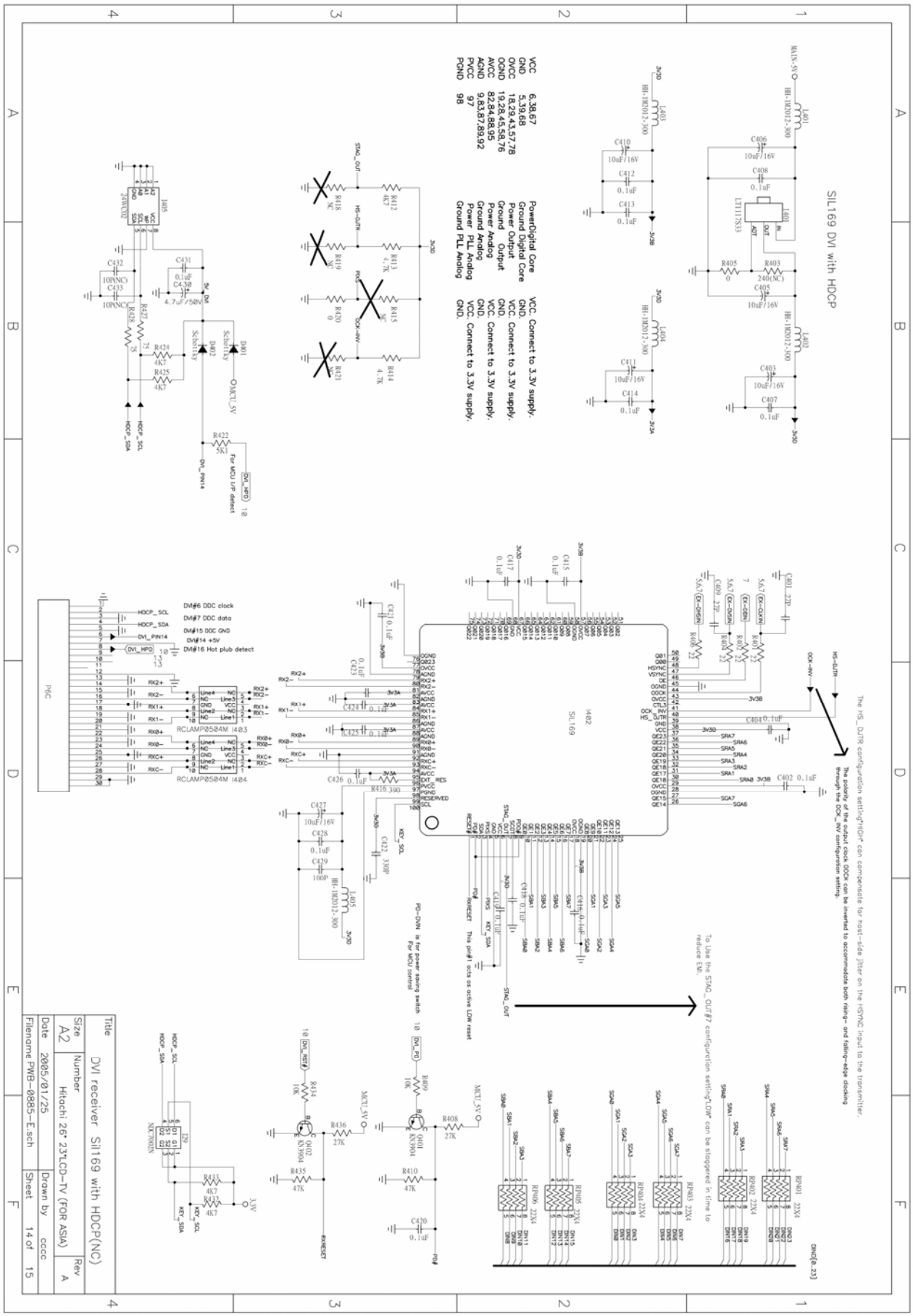

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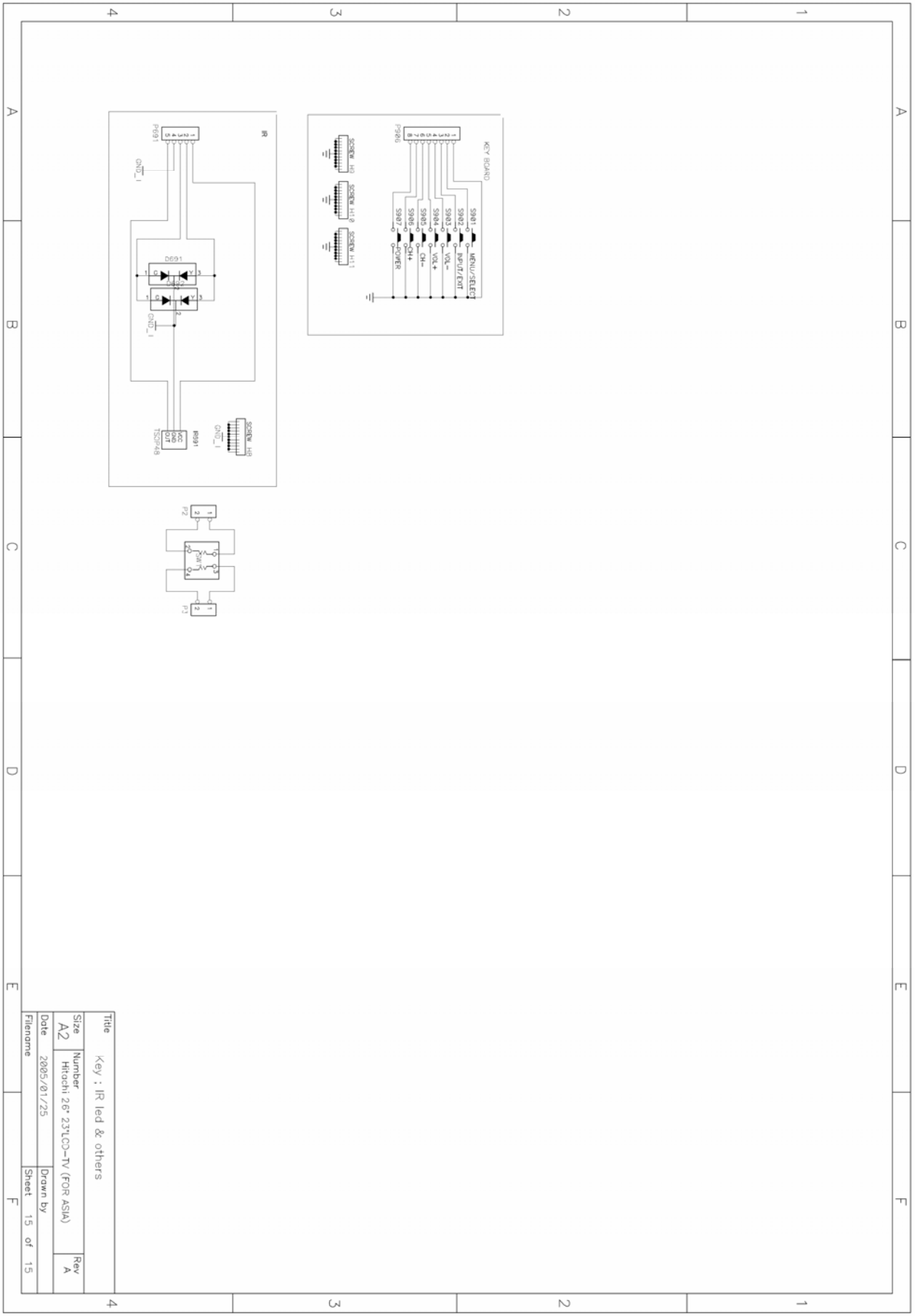

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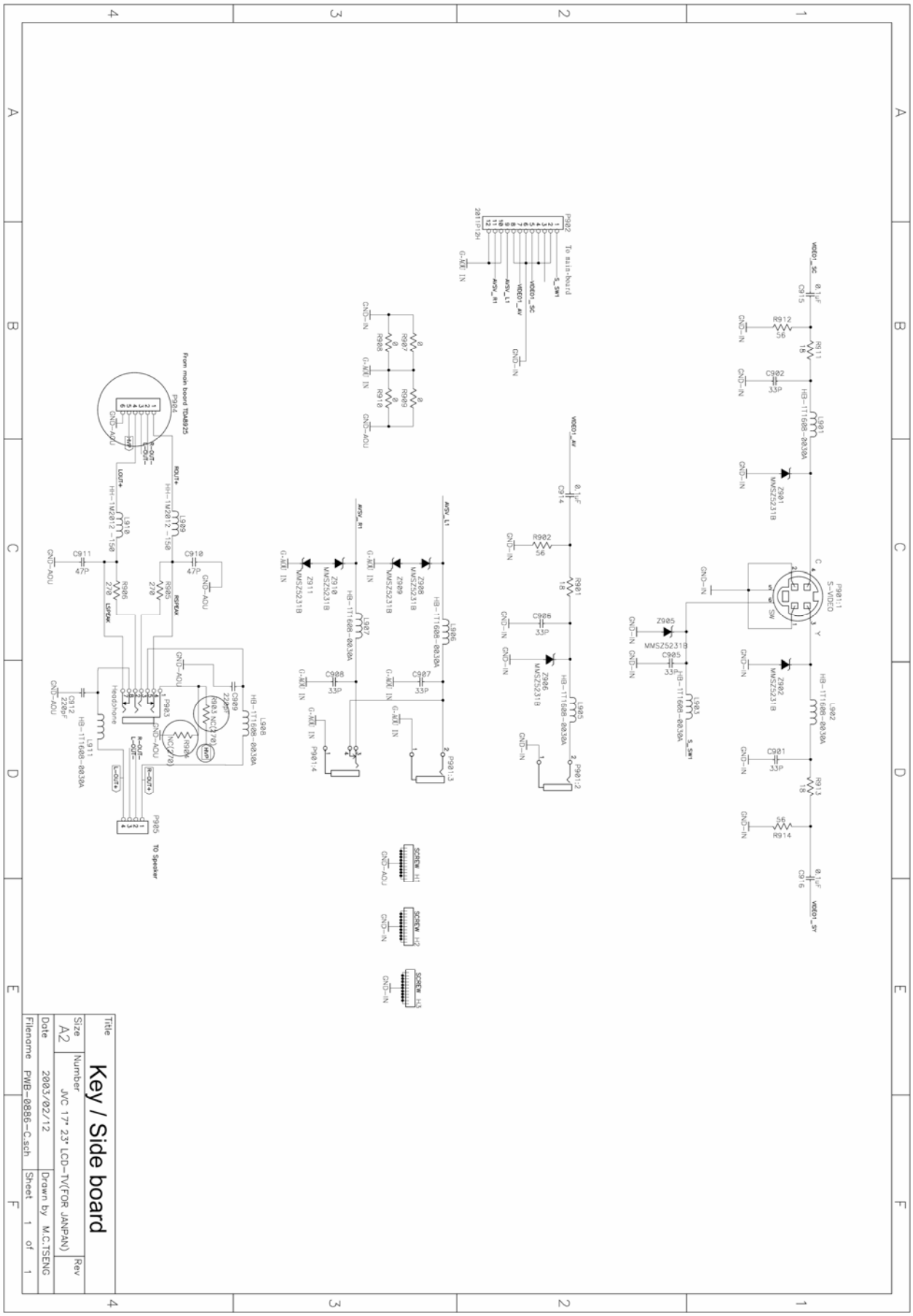
➢ I/O Board1 (PWB-0886)



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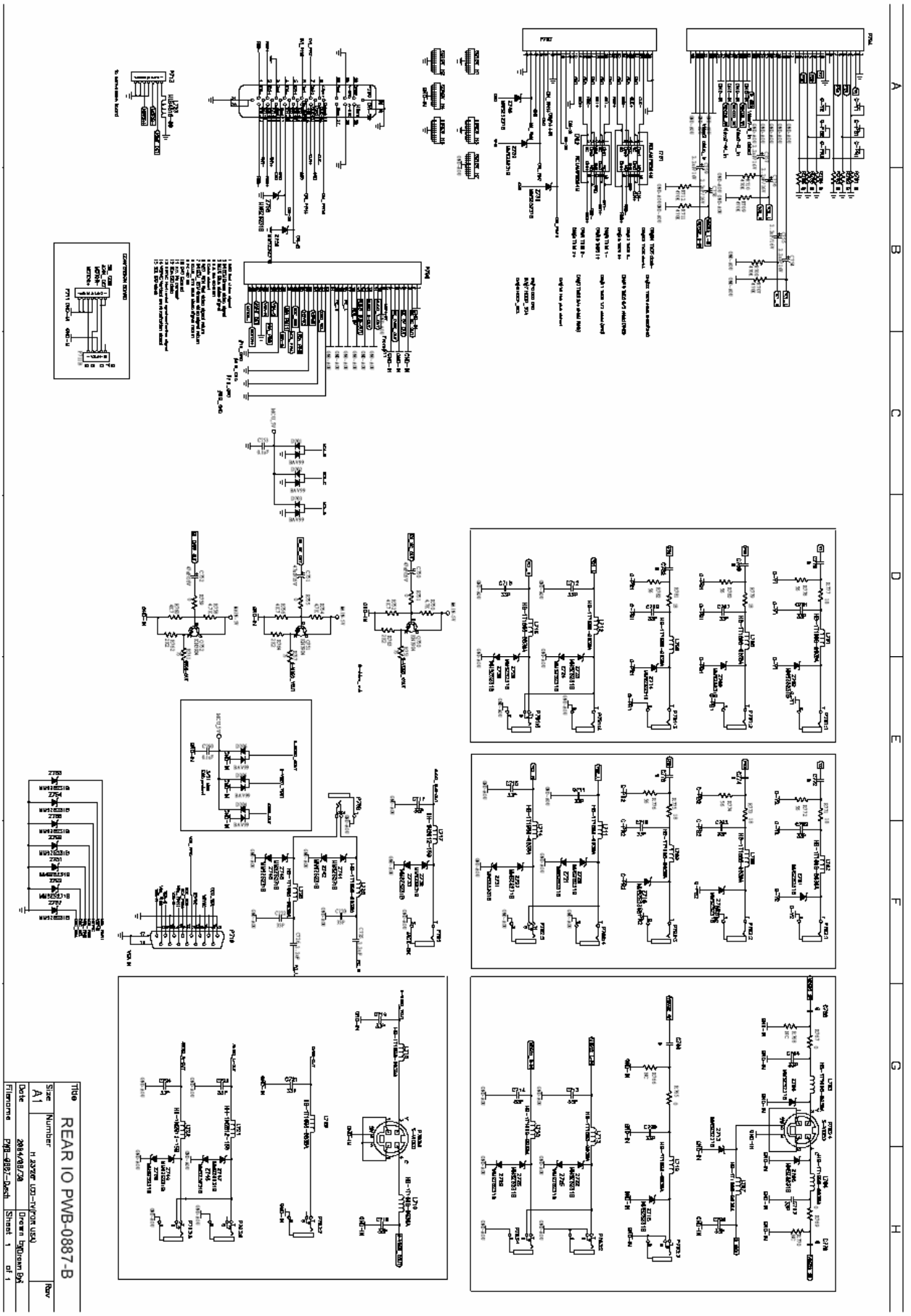
➢ I/O Board2 (PWB-0887)



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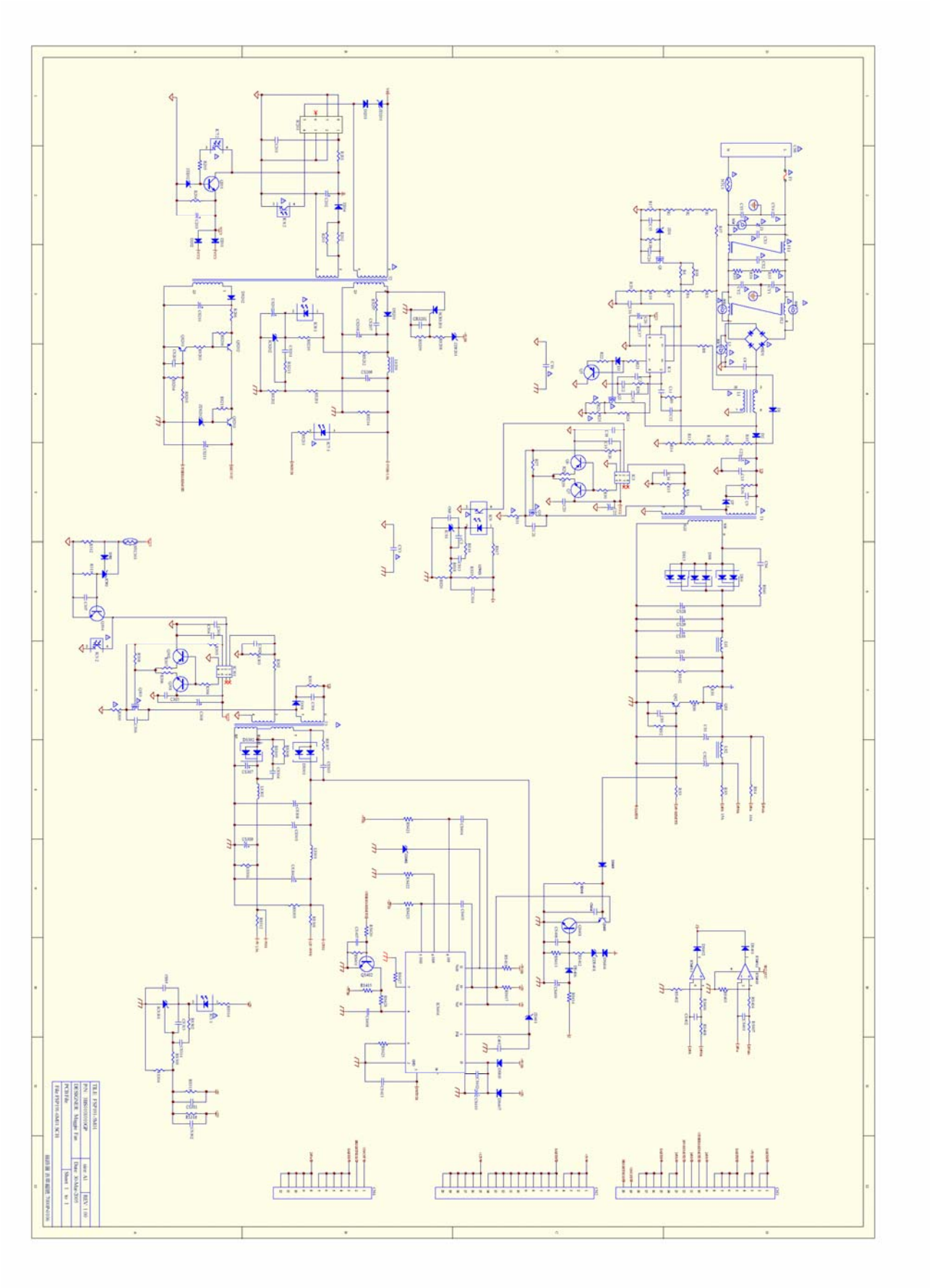
➢ Power Board



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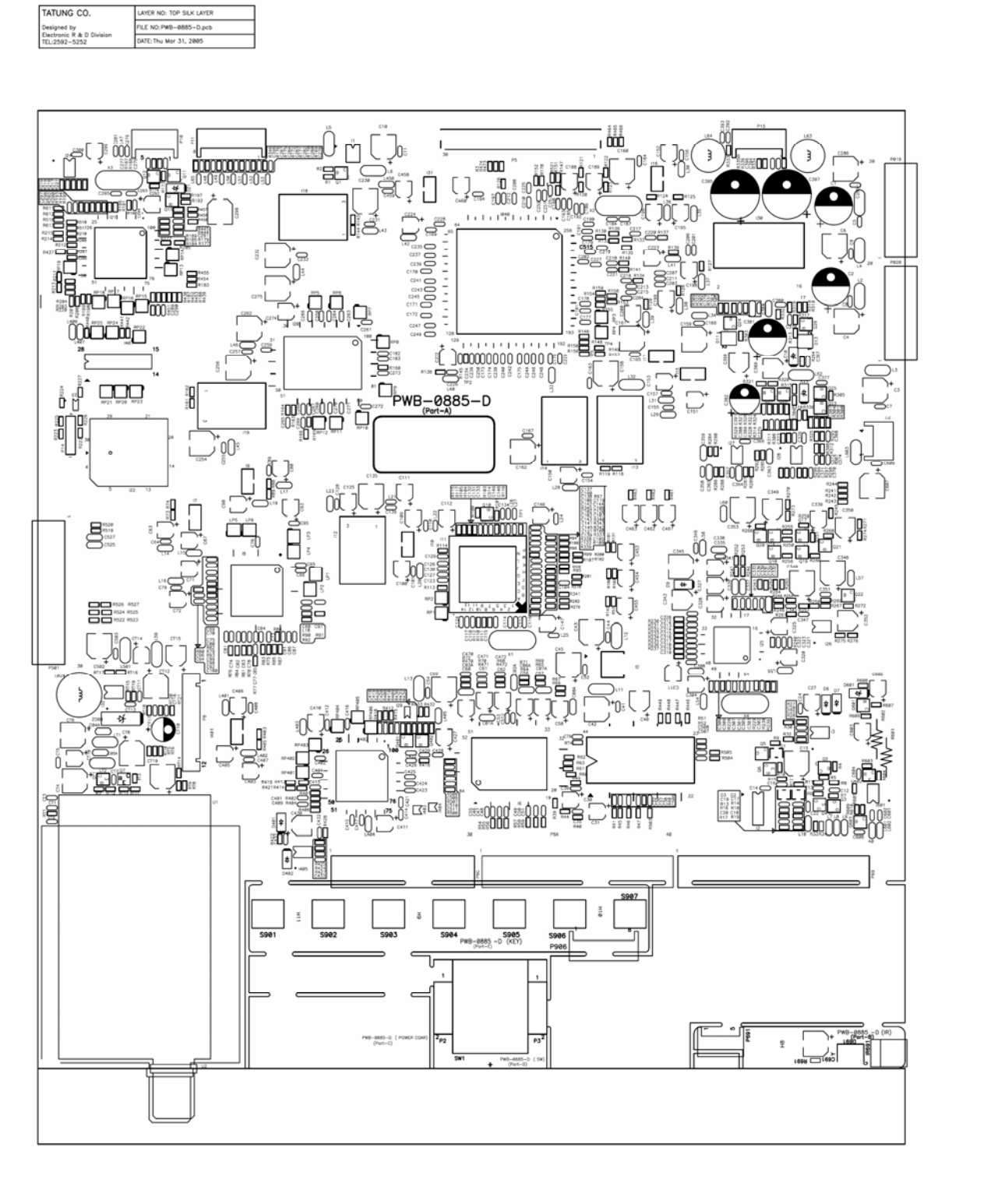
11. Printed Wiring Board Diagram

- Main Board-Top side(PWB-0885)



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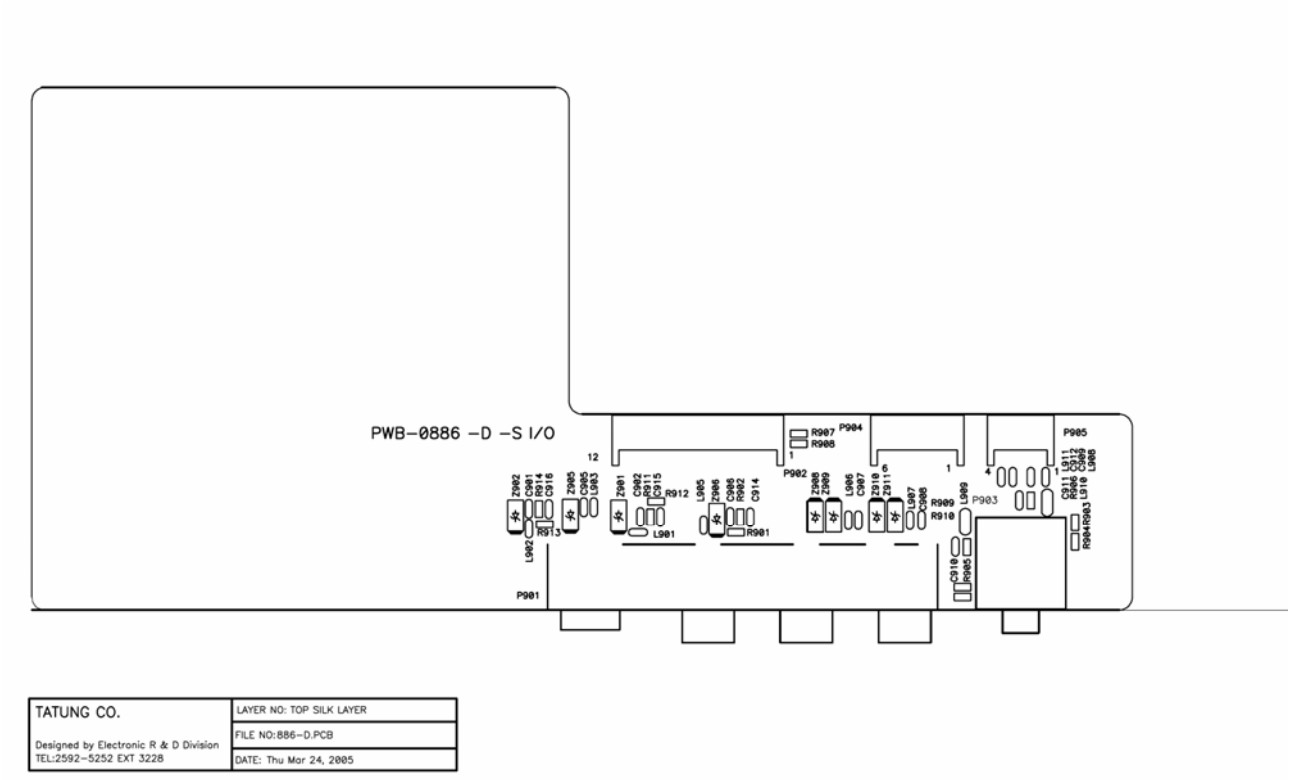
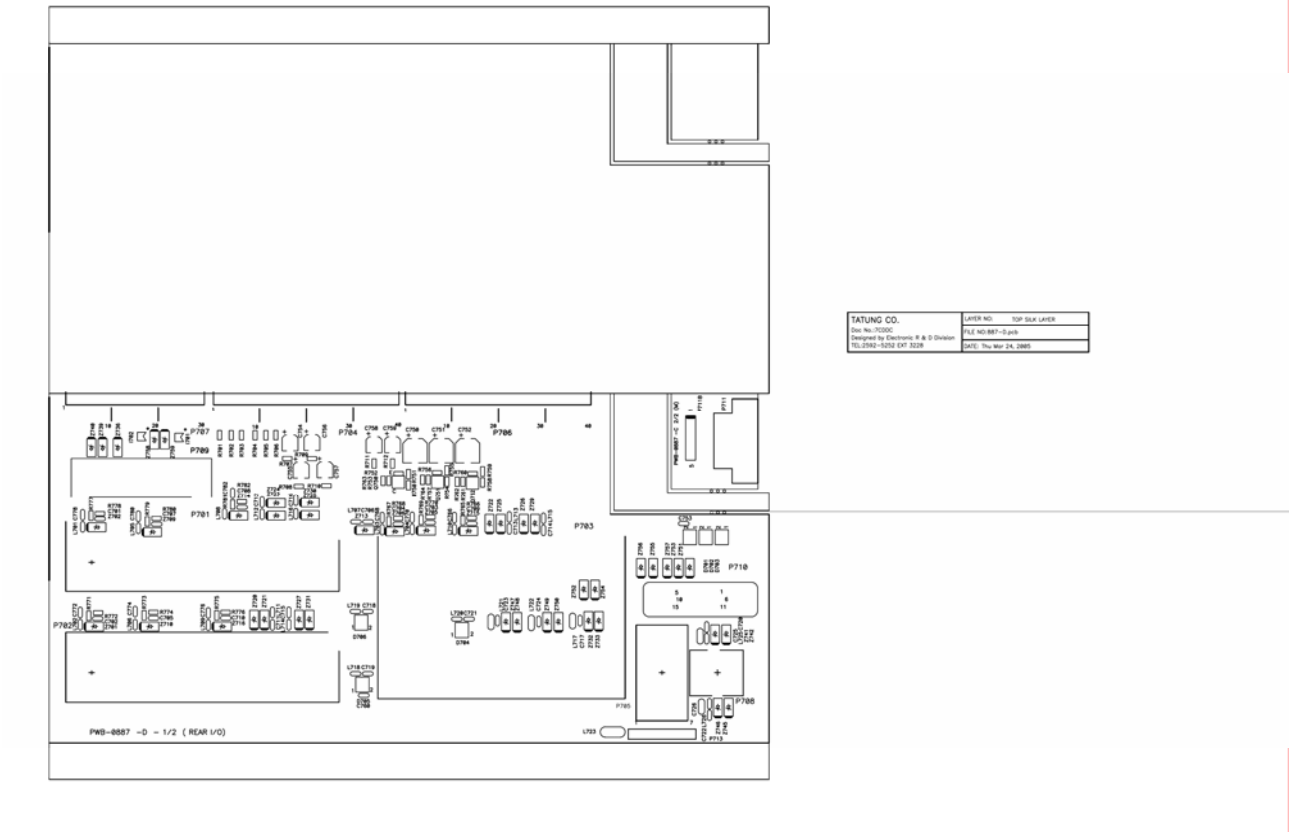
➢ I/O Board1-Top Side(PWB-0886)


PWB-0886 -D -S I/O
TATUNG CO.
Designed by Electronic R & D Division
TEL:2592-5252 EXT 3228
LAYER NO: TOP SILK LAYER
FILE NO:886-D.PCB
DATE: Thu Mar 24, 2005

➢ I/O Board2-Top Side (PWB-0887)



➢

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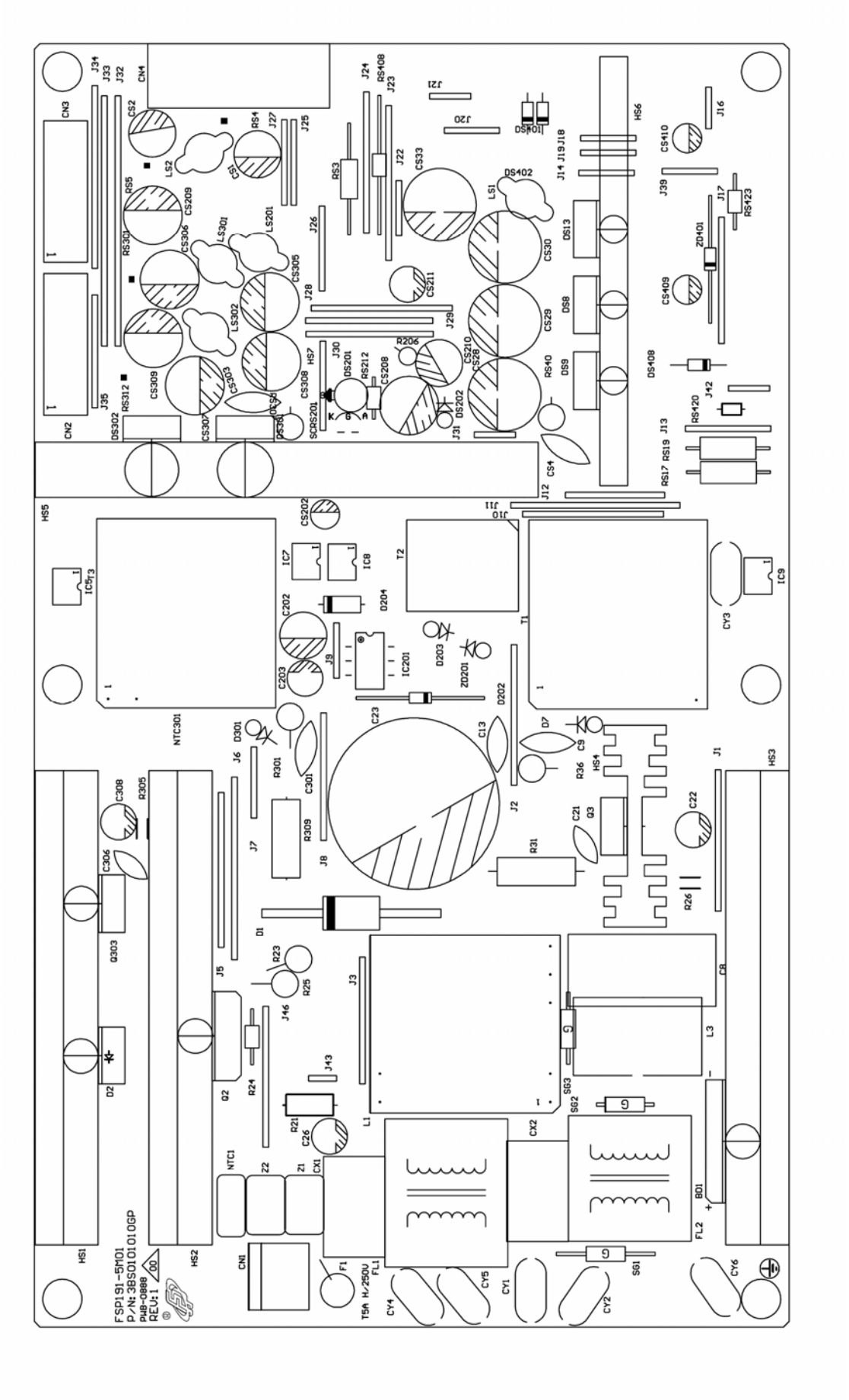
➢ Power Board



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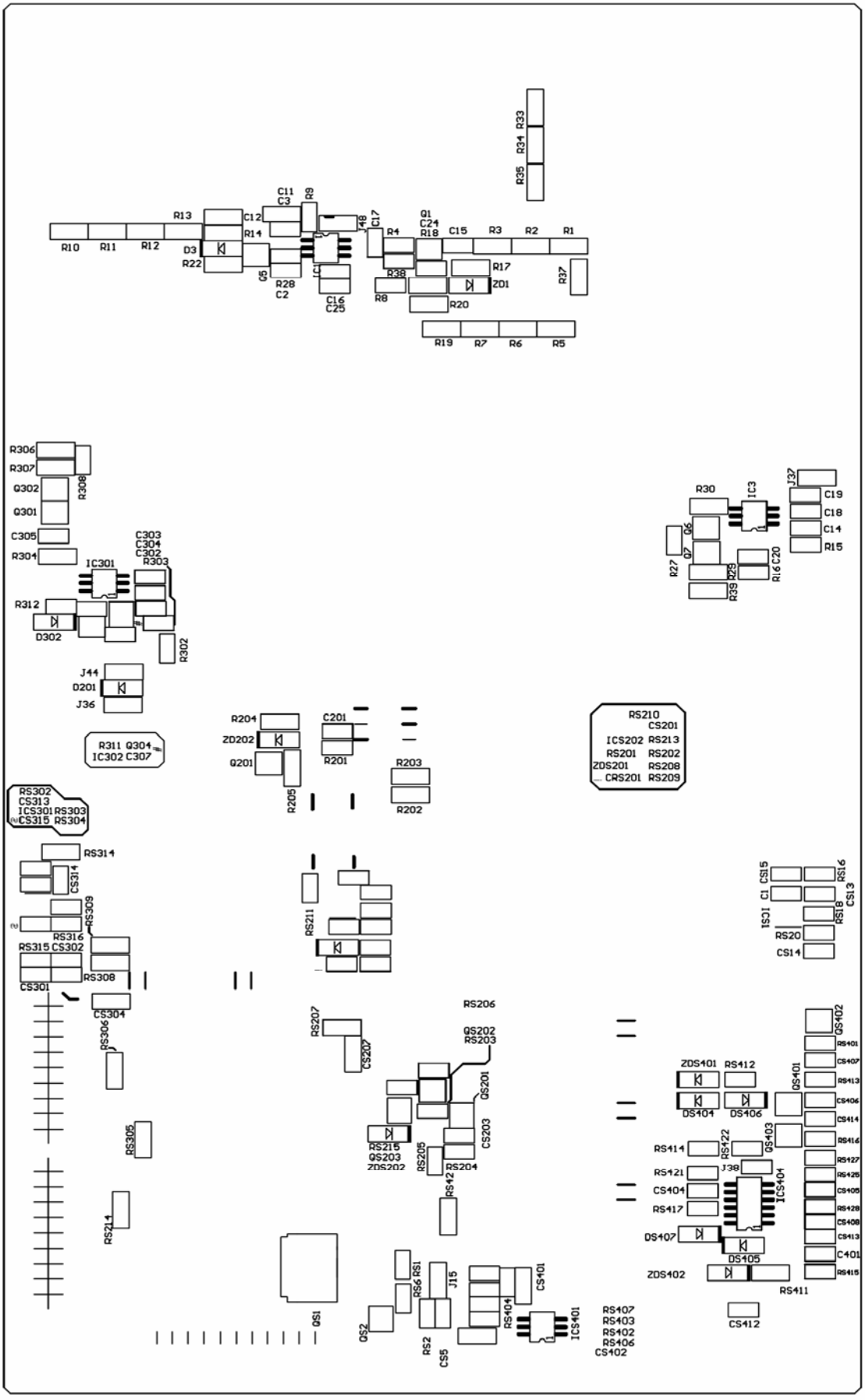

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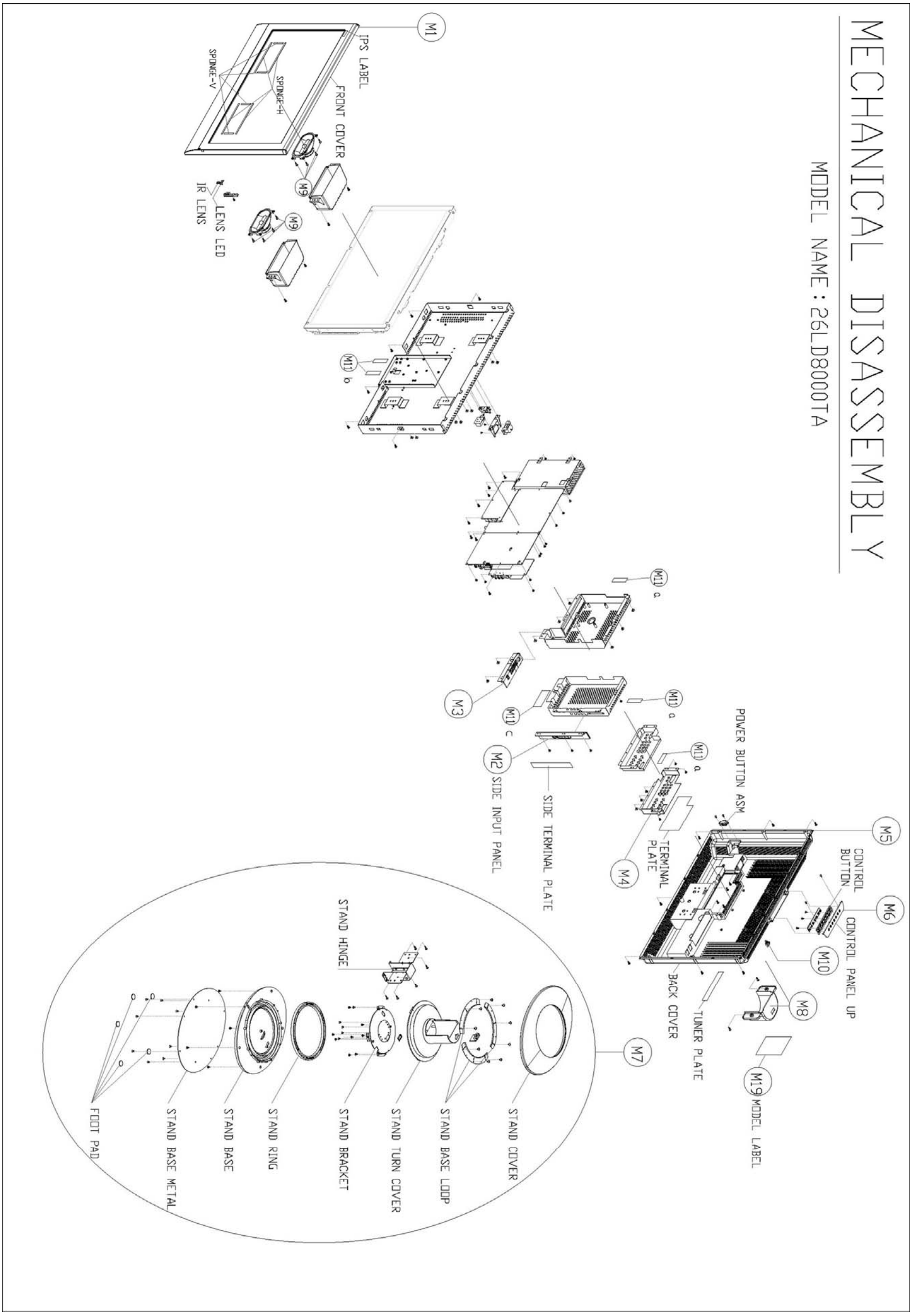
12. Disassembly Diagram

- Mechanical



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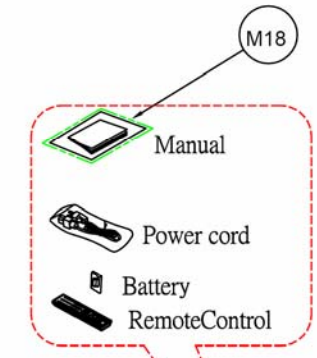
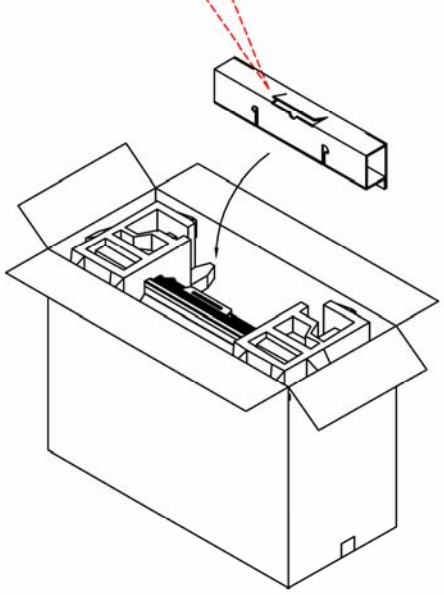
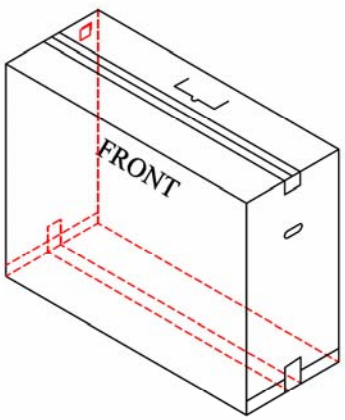
PAKAGE EXPLODE DIAGRAM

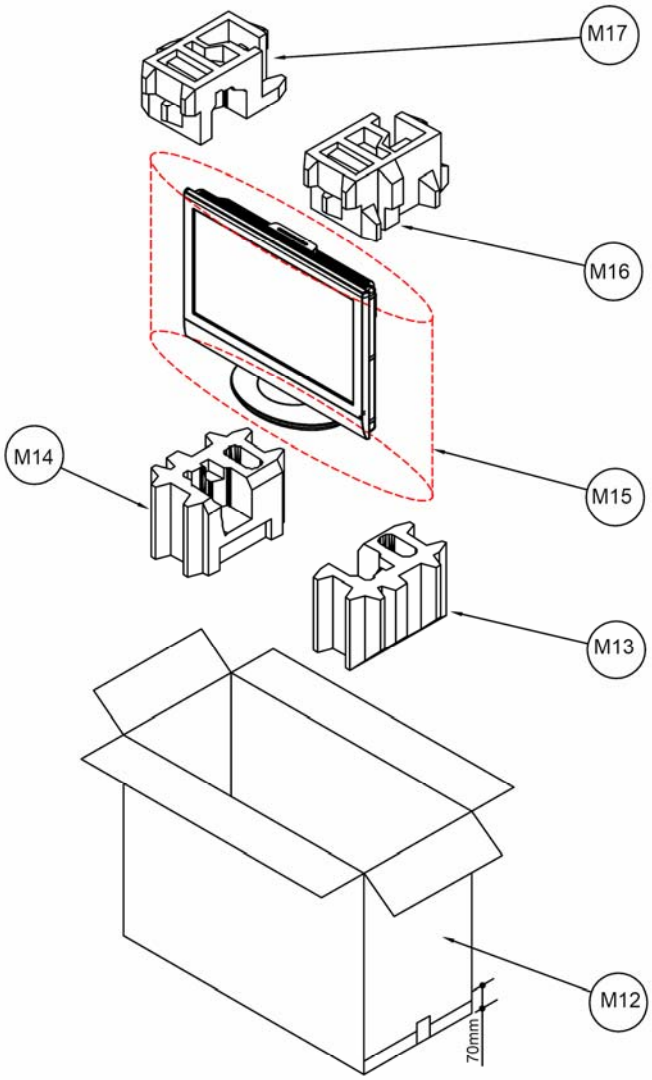
26LD8000TA / 26LD8200TC

Model	26LD8000TA/26LD8200TC V26ALAH-A05/V26ALAH-C05			
item	Part No.	Parts Name	Q'ty	Remarks
M12	9513580256	RS Carton	1Pc	
M13	9523580256	EPS Bottom(BR)	1Pc	
M14		EPS Bottom(BL)	1Pc	
M15	9533319256	EPE Bag	1Pc	
M16	9523580156	EPS Top(TR)	1Pc	
M17		EPS Top(TL)	1Pc	
M18	9533251157	Clip PE Bag	1Pc	240x340









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- Mechanical & Packing Parts List(26LD8000TA)

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	Q'TY.
M1	FRONT COVER ASSEMBLY	5095670823		1
a	FRONT COVER(ASIA)	E641104703		1
b	LENS LED	E640333200		1
c	IR LENS	E640333300		1
d	SPONGE-H	E642026412		4
e	SPONGE-V	E642026413		4
f	IPS LABEL	E642442200		1
M2	SIDE INPUT PANEL ASSEMBLY	5095670826		1
	SIDE INPUT PANEL	E642681500		1
	SIDE TERMINAL PLATE	E642441800		1
M3	TUNER PANEL	E642323900		1
M4	TERMINAL PANEL ASSEMBLY	5095670827		1
	TERMINAL PANEL	E642324200		1
	TERMINAL PLATE	E642441700		1
M5	BACK COVER ASSEMBLY	5095670824		1
a	BACK COVER	E641104810		1
b	POWER BUTTON ASM	E642852501		1
c	TUNER PLATE	E642441900		1

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d	MODEL LABEL(TTL)(A05)	E030538202		1
f	MODEL LABEL (TCN) (A05)	E030538204		1
M6	CONTROL BUTTON ASSEMBLY	5095670825		1
a	CONTROL PANEL UP(ASIA)	E642323202		1
b	CONTROL BUTTON	E642852301		1
M7	STAND ASSEMBLY	5095854669		1
a	STAND TURN COVER(ASIA)	E641418202		1
b	STAND COVER(ASIA)	E641418302		1
c	STAND BASE	E641418400		1
d	STAND RING	E641419600		1
e	STAND BRACKET	E640409900		1
f	FOOT PAD	E642030200		6
g	STAND HINGE	E648746800		1
h	STAND BASE METAL	E640409800		1
i	STAND BASE LOOP	E648743200		3
M8	STAND HINGE COVER(ASIA)	E641418502		1
M9	PRWP-M3X14	5640228400		8
M10	CABLE CLAMP	E642682000		1
M11	TAPE OF AL FOIL	- - -	- - -	- - -
a	TAPE OF AL FOIL	E648006506		3

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b	TAPE OF AL FOIL	E648006507		2
c	TAPE OF AL FOIL	E648006520		1
M12	RS CARTON	I513580256		1
M13	EPS Bottom(BR)	I523580256		1
M14	EPS Bottom(BL)			1
M15	EPE Bag	I533319256		1
M16	EPS Top(TR)	I523580156		1
M17	EPS Top(TL)			1
M18	Clip PE Bag	I533251157		1

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- **Electrical Parts List (26LD8000TA)**

NO.	DESCRIPTION	PART NO.	HITACHI PART NO	QT'Y
PB01	POWER MODULE + CASE FSP	6693006617		1
	ASSEMBLY PCB-MAIN BOARD (PWB-0885-A)	5098801042		1
	ASSEMBLY PCB-SIDE I/O (PWB-0886)	5097650503		1
	ASSEMBLY PCB-REAR I/O (PWB-0887)	5097650602		1
	ASSEMBLY PCB-LED/IR(PWB-0885-B)	5098801043		1
	ASSEMBLY PCB-KEY PAD (PWB-0885-C)	5098801046		1
	ASSEMBLY PCB-AC SWITCH (PWB-0885-D)	5098801045		1
P807	POWER CORE (UK) (A05)	E056706081		1
V901	26"TFT Panel Module LPL (LC260WX2-SL01)	E051253001		1
SW01B	QUICK TIE,PVC	E071000001		1
P008A	Wire Ass'y W12/12P	E057412007		1
P010A	Wire Ass'y W5/5P	E057405010		1
P011A	Wire Ass'y W8/8P	E057408004		1
P015A	Wire Ass'y W6/6P	E057406003		1
V901A	Wire Ass'y W30/30P	E057430010		1
V091B	Wire Ass'y W12/14/12P	E057414004		1
P905A	Wire Ass'y W4/2P	E057404012		1
SW01A	Wire Ass'y Inlet W3P	E057403012		1
SP01	SPEAKER	E055100001		1
SP02	SPEAKER	E055100001		1
SP01A	Wire Ass'y W2P Conn.	E057402010		1
RCU01	REMOTE CONTROLLER	E052731083		1
Y001	USER'S MANUAL	E030037002		1

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